



Amy G. Rabinowitz
Assistant General Counsel

June 17, 2005

Mary L. Cottrell, Secretary
Department of Telecommunications and Energy
One South Station
Boston, MA 02110

Re: DTE 05-2

Dear Secretary Cottrell:

I am enclosing the revised response of Massachusetts Electric Company and Nantucket Electric Company to Information Request DTE 1-1.

Thank you very much for your time and attention to this matter.

Very truly yours,

A handwritten signature in black ink that reads "Amy G. Rabinowitz".

Amy G. Rabinowitz

cc: Service List

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Massachusetts Electric Company
Nantucket Electric Company
Docket No. D.T.E. 05-2
Response to Department's First Set of Information Requests

Revised Response to Informational Request DTE 1-1

Request:

Please refer to Theresa M. Burns' testimony at page 28. Ms. Burns states that the proposed tariffs reflect the elimination of the merger settlement credit from Massachusetts Electric Company/Eastern Edison Company, D.T.E. 99-47 (2000) ("Merger Agreement") and describes the other items that are included in the proposed tariffs. In the Merger Agreement at 17, it states that "[t]he Parties agree that [a regional] index will be determined as of July 1, 2004 using the same methodology with Mass. Electric's distribution rates as approved in Massachusetts Electric Company, D.P.U./D.T.E. 96-25 (1997), which will be adjusted to include Exogenous Factors and which eliminates the \$10 million Settlement Reduction as set forth in Attachment 2, and including all other investor-owned electric utilities in the region which have unbundled their distribution rates at that time." In the Merger Agreement at 17, n.6, it states that "Mass. Electric agrees that the initial determination of its relative position as compared to the [Regional Index] Companies and service territories included in the illustrative calculation in Attachment 8 shall not exceed 90 percent of the index average. Thus, if the determination produces a percentage greater than 90 percent, Mass. Electric's percentage will be established at 90 percent of the index average." Provide all workpapers, documentation, and calculations that demonstrate and support that MECo's distribution rates do not exceed 90 percent of the index average.

Revised Response:

Mass. Electric has prepared its initial calibration of its distribution rates effective July 1, 2004 to the regional index of distribution rates of similarly unbundled electric utilities in New England, New York, New Jersey and Pennsylvania as of the same date, and has filed it in docket D.T.E. 99-47. A copy is attached here as well. Attachment 1 contains the initial calibration. Attachment 2 contains principles for the application of the Regional Index. Attachment 3 contains summary sheets for each utility in the Regional Index listing the rate schedules that align with Mass. Electric's average customer (residential, small general service, medium general service, and large general service) and the calculation of the distribution rate per kWh for each average customer. The summary sheet also provides the assumptions the Company used in selecting rate schedules or calculating bill amounts. Attachment 4 contains the calculation of the average Mass. Electric customer billing determinants for each of the four rate classes reflected in the Regional Index based on calendar year 2003 billing determinants.

The regional index attached contains some revisions and corrections to the regional index initially provided in response to this information request, the result of which decreases the regional average rate from 2.954¢ per kWh to 2.918¢ per kWh. This results in a change in the initial relative position reported to the Department from 86% to 87%. However, Mass. Electric's initial position remains below the required 90%. Attachment 5 contains an explanation of the revisions and corrections made by the Company.

Massachusetts Electric Company
and
Nantucket Electric Company

Initial Calibration Against the
Regional Index

June 16, 2005

Submitted to:
Massachusetts Department of
Telecommunications and Energy
Docket No. D.T.E. 99-47

Submitted by:



Attachment 1

Initial Calibration of Mass. Electric's Distribution Rates to the Regional Index

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Utility	State	Unbundled	Tariffs available	Total 2003 MWh	DISTRIBUTION				
					Residential	Small C&I	Medium C&I	Large C&I	INDEX
					R	G1	G2	G3	
Connecticut Light & Power Company	CT	Y	Y	24,116,876	3.455	5.147	3.092	1.360	2.763
United Illuminating Company	CT	Y	Y	5,763,052	4.932	5.151	3.299	1.545	3.424
Boston Edison Company (NSTAR)	MA	Y	Y	14,961,539	4.948	5.579	4.096	2.897	4.102
Cambridge Electric Company (NSTAR)	MA	Y	Y	1,639,564	3.581	2.547	2.049	1.113	2.319
Commonwealth Electric Company (NSTAR)	MA	Y	Y	4,173,545	5.156	4.184	2.474	1.276	3.195
Fitchburg Gas & Electric Company (Unitil)	MA	Y	Y	515,669	4.624	4.585	3.279	1.632	3.283
Western Massachusetts Electric Company (Northeast Utilities)	MA	Y	Y	4,023,433	4.054	4.780	2.554	1.582	2.963
Bangor Hydro-Electric Company	ME	Y	Y	1,542,455	5.554	4.778	2.720	2.399	3.867
Maine Public Service Company	ME	Y	Y	540,214	4.747	4.669	2.532	1.863	3.319
Granite State Electric Company	NH	Y	Y	833,597	4.317	3.826	1.741	1.232	2.721
New Hampshire Electric Cooperative Inc.	NH	Y	Y	690,095	5.547	7.279	3.737	2.894	4.438
Unitil Energy Service, Inc.	NH	Y	Y	1,211,068	3.021	3.575	2.091	1.366	2.308
Narragansett Electric Company	RI	Y	Y	7,964,092	4.021	4.291	2.330	1.582	2.872
Atlantic City Electric Company (Conectiv Power Delivery)	NJ	Y	Y	9,642,644	2.967	3.496	2.974	1.234	2.356
Jersey Central Power & Light Company (FirstEnergy)	NJ	Y	Y	20,859,480	2.458	4.101	2.194	1.839	2.340
Public Service Electric & Gas Company	NJ	Y	Y	42,067,965	3.275	3.304	2.203	1.305	2.371
Rockland Electric Company (Orange & Rockland)	NJ	Y	Y	1,563,289	2.581	3.207	2.620	2.241	2.516
Consolidated Edison Company of New York	NY	Y	Y	43,362,087	5.606	5.689	3.724	3.174	4.414
Duquesne Light Company	PA	Y	Y	13,363,091	3.972	3.421	1.841	0.964	2.464
Metropolitan Edison Company (FirstEnergy)	PA	Y	Y	13,009,872	4.023	4.521	2.673	1.359	2.858
PECO Energy	PA	Y	Y	36,841,017	5.262	3.018	1.991	1.741	3.233
Pennsylvania Electric Company (FirstEnergy)	PA	Y	Y	13,400,384	3.988	3.956	2.386	1.433	2.778
Pennsylvania Power Company (FirstEnergy)	PA	Y	Y	4,258,641	3.592	2.050	0.849	0.672	1.935
Pennsylvania Power & Light Company	PA	Y	Y	35,417,470	2.618	2.449	2.214	2.032	2.320
UGI Utilities, Inc.	PA	Y	Y	978,551	3.862	4.558	3.423	1.764	3.063
West Penn Power Company (Allegheny Power)	PA	Y	Y	19,001,901	2.619	2.476	2.062	0.849	1.849
Central Maine Power Company	ME	N	Y	Fully bundled					
Public Service Company of New Hampshire	NH	N	Y	T&D bundled					
Central Hudson Gas & Electric Corporation	NY	N	Y	T&D bundled					
Long Island Power Authority	NY	N	Y	Fully bundled					
New York State Electric & Gas Corporation	NY	N	Y	T&D bundled					
Niagra Mohawk Power Corporation	NY	N	Y	T&D bundled					
Orange & Rockland Utilities, Inc.	NY	N	Y	T&D bundled					
Rochester Gas & Electric Corporation	NY	N	Y	T&D bundled					
Central Vermont Public Service Corporation	VT	N	Y	Fully bundled					
Citizens Utilities Company	VT	N	N	Fully bundled					
Green Mountain Power Company	VT	N	Y	Fully bundled					

Total MWh Included in Weighted Average 321,741,591
Mass. Electric Customer Mix 37.90% 9.52% 14.34% 38.24% 100.00%

Massachusetts Electric Company	MA	Y	Y		3.368	4.470	2.042	1.453	2.551
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WEIGHTED AVERAGE BY kWh 2.918

MASS. ELECTRIC AS A PERCENTAGE OF WEIGHTED AVERAGE 2.551 ¢ ÷ 2.918 ¢ = 87%

Attachment 2

Principles for Application of the Regional Index

Summary of Principles for Application of the Regional Index

- 1** The Region is defined as the six New England states, New York, New Jersey and Pennsylvania
- 2** Only investor-owned electric utilities whose tariffs have been unbundled to isolate distribution rates, in an equivalent manner to Massachusetts utilities, have been included in the baseline. (ie. The definition of "Distribution" revenues reflect a similar basket of services to what Massachusetts utilities collect for through "Distribution" rates.)
- 3** Each utility's index is made up of four customer classes: Residential, Small C&I, Medium C&I and Large C&I which map to Mass. Electric's R1, G1, G2 and G3 rate classes, respectively.
- 4** The average customer for each of Mass. Electric's four rate classes is based on calendar year 2003 billing determinants.
- 5** For class G1 non-demand tariffs will be used, if applicable. If not, a customer demand level of 5.93kW (derived from load research data) will be used.
- 6** Determination of the appropriate tariff for a particular utility is based on placing the average customer for each of Mass. Electric's four rate classes onto the appropriate rate class for that utility.
- 7** The weighting for each rate class within the index is equal to that class' percentage of Mass. Electric customer mix. The weighting is based on Mass. Electric's percentage of kWh deliveries during 2003 for each of the four rate classes.
- 8** The Regional Index is the average of all indices within the group, weighted by each utility's total annual MWh distributed.
- 9** Mass. Electric will be excluded from the determination of the Regional Index.
- 10** Customer mix will be calculated initially in 2004 and will thereafter be fixed for the remainder of the rate period, provided that this customer mix represents in excess of 90% of MWh distributed by Mass. Electric. In the event that this customer mix falls below this 90% coverage then a re-evaluation of the rate classes included in the Regional Index will be called for.
- 11** Mass. Electric's relative position in the index equals Mass Electric's Average Distribution Rate per kWh divided by the Regional Index per kWh.

Attachment 3

Utility Summary Sheets

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Connecticut Light & Power Company			
Utility	Customer Class	Rate	Description Availability
	Residential	1	Residential Electric Service Available for the entire electrical requirements of single-family residences, residential outbuildings, individual apartments, and general service use in apartment buildings, where residential use constitutes over 50 percent of the metered energy, and also available to farm customers.
	Small C&I	30	Small General Electric Service Available for the entire electrical requirements at a single service location where the customer's maximum demand is less than 350 kW. Where the Company deems it is impractical to deliver electricity through one service, or where more than one meter has been installed for billing under a withdrawn rate, then the measurement of electricity may be by two or more meters
	Medium C&I	35	Intermediate General Electric Service Available for the electrical requirements where the customer's maximum demand is less than 350 KWh and delivered at one point and at one standard voltage through one installation of transformers supplied by the Company. Service will be metered at one point by one installation of meters. The meter location will be determined by the Company. Where the Company deems it impractical to deliver electricity through one service, or where one meter has been installed for billing under a withdrawn rate, then the measure of electricity may be by two or more meters.
	Large C&I	56	Intermediate Time-of-Day Electric Service for Non-Manufacturers Available for the electrical requirements of customers delivered at one point and at one standard voltage through one installation of transformers supplied by the Company. Service will be metered at one point by one installation of meters. The meter location will be determined by the Company. Where the Company deems it impractical to deliver electricity through one service, or where more than one meter has been installed for billing under a withdrawn rate, then the measure of electricity may be two or more meters.
Notes:		Straightforward mapping of rates. For Large C&I chose rate for non-manufacturers as Massachusetts Electric has a larger proportion of non-manufacturers than manufacturers.	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations							
Connecticut Light & Power Co.					1	30	35	56	1		30		35		56	
JULY 2004	RES	SM C&I	MED C&I	LG C&I												
Customer Charge:					\$8.69	\$20.77	\$258.60	\$364.64		\$8.69	\$20.77	\$258.60	\$364.64			
Summer (June through September)																
Total					\$0.02160				671	\$14.49						
First hrs use		300	400			\$0.02595	\$0.00315				1,328	\$34.46	16,627	\$52.38		
Excess hrs use						\$0.00220	\$0.00000				0	\$0.00	0	\$0.00		
On-Peak				48%				\$0.00430							108,984	\$468.63
Off-Peak				52%				\$0.00000							119,973	\$0.00
Winter (October through May)																
Total					\$0.02160				671	\$14.49						
First hrs use		300	400			\$0.02595	\$0.00315				1,328	\$34.46	16,627	\$52.38		
Excess hrs use						\$0.00220	\$0.00000				0	\$0.00	0	\$0.00		
On-Peak				48%				\$0.00430							108,984	\$468.63
Off-Peak				52%				\$0.00000							119,973	\$0.00
DEMAND	Total kW						\$3.99	\$4.11				50.9	\$203.09		554.7	\$2,279.82
Summer	First kW	2				\$0.00					2	\$0.00				
	Excess kW					\$3.34					3.93	\$13.13				
Winter	First kW	2				\$0.00					2	\$0.00				
	Excess kW					\$3.34					3.93	\$13.13				
TOTAL WINTER										\$23.18	\$68.36	\$514.07	\$3,113.09			
TOTAL SUMMER										\$23.18	\$68.36	\$514.07	\$3,113.09			
EFFECTIVE ANNUAL										\$23.18	\$68.36	\$514.07	\$3,113.09			
EFFECTIVE RATE										3.455	5.147	3.092	1.360			

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
United Illuminating Company			
Customer Class	Rate	Description	Availability
Residential	R	Residential Rate	Service under this rate is for all normal residential requirements and qualifying veterans organizations, agricultural, campground and marina usage.
Small C&I	GS	General Service Rate	Service under this rate is for all requirements on a Customer's Premises, provided the Customer's demand does not exceed 500 kW in two consecutive months.
Medium C&I	GS	General Service Rate	Service under this rate is for all requirements on a Customer's Premises, provided the Customer's demand does not exceed 500 kW in two consecutive months.
Large C&I	LPT	Large Power Time-of-Use	Service under this rate is optional for all requirements on a Customers Premises, subject to the availability and installation of metering equipment.
Notes:	Peak split = 8/24*5/7		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations							
The United Illuminating					R	GS	GS	LPT	R		GS		GS		LPT	
JULY 2004	RES	SM C&I	MED C&I	LG C&I												
Customer Charge:					\$8.30	\$8.62	\$24.13	\$193.78	\$8.30		\$8.62		\$24.13		\$193.78	
Summer (June through September)																
Total						\$0.054253	\$0.028097			1,328	\$72.05	16,627	\$467.17			
First kWh	500				\$0.034471				500	\$17.24						
Excess kWh					\$0.063683				171	\$10.89						
On-Peak				24%				\$0.007656						54,492	\$417.19	
Shoulder				21%				\$0.005742						47,623	\$273.45	
Off-Peak				55%				\$0.001914						126,842	\$242.78	
Winter (October through May)																
Total						\$0.040406	\$0.016564			1,328	\$53.66	16,627	\$275.41			
First kWh	500				\$0.034471				500	\$17.24						
Excess kWh					\$0.034471				171	\$5.89						
On-Peak				24%				\$0.005742						54,492	\$312.89	
Shoulder				21%				\$0.003729						47,623	\$177.59	
Off-Peak				55%				\$0.001914						126,842	\$242.78	
DEMAND																
Summer																
On-Peak							\$4.79	\$5.50				50.9	\$243.81	554.7	\$3,050.85	
Shoulder Excess								\$1.91				0	\$0.00	0.0	\$0.00	
Off-Peak Excess							\$4.79	\$1.44				0	\$0.00	0.0	\$0.00	
Winter							\$3.06	\$4.13				50.9	\$155.75	554.7	\$2,290.91	
On-Peak								\$1.91				0	\$0.00	0.0	\$0.00	
Shoulder Excess								\$1.91				0	\$0.00	0.0	\$0.00	
Off-Peak Excess							\$3.06	\$1.44				0	\$0.00	0.0	\$0.00	
TOTAL WINTER									\$31.43		\$62.28		\$455.29		\$3,217.95	
TOTAL SUMMER									\$36.43		\$80.67		\$735.11		\$4,178.05	
EFFECTIVE ANNUAL									\$33.10		\$68.41		\$548.56		\$3,537.98	
EFFECTIVE RATE									4.932		5.151		3.299		1.545	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
Boston Edison Company (NSTAR)			
Customer Class	Rate	Description	Availability
Residential	A1 (R-1)	Residential	This rate is available for lighting, heating and other uses in residential premises, for service in an edifice set apart exclusively for public worship, condominium common area and cooperative apartment common areas excluding hotels and apartment buildings of ten or more dwelling units where the bills are not rendered by the Company directly to the individual tenants. This rate is closed for expansion to nursing homes. Service under this rate to any Customer is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Small C&I	A9 (G-1)	General	This rate is available for all non-residential uses of electricity to all Customers whose load for billing purposes does not exceed or is estimated to not exceed 10 kilowatts. Customers with a demand exceeding 12 kilowatts in any month will be placed on Rate G-2. Demand meters will be installed for all new customers with either: (a) three-phase service or (b) single-phase service exceeding 100 amperes. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Medium C&I	B2 (G-2)	General	Service under this rate is available for all use at a single location where the service voltage is less than 10,000 volts and the monthly demand is equal to or greater than 10 kilowatts. Rate G-2 Customers with demands less than 8 kilowatts for at least one year will be placed on Rate G-1. Rate G-2 Customers with a monthly demand equal or greater than 200 kW will be evaluated for transfer to Rate T-2. Additionally, all new Customers with a monthly demand equal or greater than 200 kW will be placed on Rate T-2. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Large C&I	B3 (T-2)	Time of Use	Service under this rate is available for all use at a single location where the service voltage is less than 10,000 volts and the monthly demand is equal to or greater than 10 kilowatts. Customers with demands less than 150 kW will be evaluated for transfer to Rate G-2. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Notes:	Distribution energy charge includes a pension adjustment factor.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations							
Boston Edison					A1 (R-1)	A9 (G-1)	B2 (G-2)	B3 (T-2)	A1 (R-1)		A9 (G-1)		B2 (G-2)		B3 (T-2)	
JULY 2004	RES	SM C&I	MED C&I	LG C&I		<10										
Customer Charge:					\$6.43	\$8.14	\$18.19	\$166.67	\$6.43	\$8.14	\$18.19	\$166.67				
Summer (June through September)																
Total					\$0.03989	\$0.06832		\$0.00089	671	\$26.77	1,328	\$90.73	16,627	\$0.00	228,957	\$203.77
First kWh			2,000				\$0.02225						2,000	\$44.50		
Excess kWh													14,627	\$0.00		
First hrs use			39.3										2,000	\$0.00		
Next hrs use			150				\$0.00900						7,635	\$68.72		
Excess hrs use							\$0.00589						6,992	\$41.18		
Winter (October through May)																
Total					\$0.03989	\$0.04033		\$0.00089	671	\$26.77	1,328	\$53.56	16,627	\$0.00	228,957	\$203.77
First kWh			2,000				\$0.01232						2,000	\$24.64		
Excess kWh													14,627	\$0.00		
First hrs use			39.3										2,000	\$0.00		
Next hrs use			150				\$0.00727						7,635	\$55.51		
Excess hrs use							\$0.00540						6,992	\$37.76		
DEMAND																
Summer			10	0			\$0.00	\$17.51					10	\$0.00	0.0	\$0.00
Excess kW							\$20.22	\$17.51					40.9	\$827.00	554.7	\$9,712.80
Winter			10	0			\$0.00	\$8.18					10	\$0.00	0.0	\$0.00
Excess kW							\$9.43	\$8.18					40.9	\$385.69	554.7	\$4,537.45
TOTAL WINTER									\$33.20	\$61.70	\$521.79	\$4,907.89				
TOTAL SUMMER									\$33.20	\$98.87	\$999.59	\$10,083.24				
EFFECTIVE ANNUAL									\$33.20	\$74.09	\$681.06	\$6,633.01				
EFFECTIVE RATE									4.948	5.579	4.096	2.897				

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Cambridge Electric Company (NSTAR)			
Customer Class	Rate	Description	Availability
Residential	01 (R-1)	Residential	This rate is available for all domestic uses in a single private dwelling, in an individual apartment or in a residential condominium in which the principal means of heating the premises is not provided by permanently installed electric space heating equipment. Service under this rate to residential condominiums is available to the extent permitted by applicable regulations of the Massachusetts Department of Telecommunications and Energy. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Small C&I	06 (G-0)	General (Non-Demand)	This rate is available for all non-residential uses of electricity to all Customers whose load for billing purposes does not exceed or is estimated not to exceed 10 kilowatts in any three (3) consecutive billing months. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Medium C&I	02 (G-1)	General	This rate is available for all non-residential uses of electricity to all Customers whose load for billing purposes is or is estimated to be greater than 10 kilowatts for three consecutive billing months but not greater than 100 kilowatts in each of 12 consecutive billing months. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Large C&I	62 (G-2)	Large General Time-of-Use Secondary Service	This rate is available for all of electricity to Customers whose metered load exceeds or is estimated to exceed 100 kilowatts for at least 12 consecutive billing months. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Notes:	Distribution energy charge includes a pension adjustment factor.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations							
Cambridge Electric					01 (R-1)	06 (G-0)	02 (G-1)	62 (G-2)	01 (R-1)		06 (G-0)		02 (G-1)		62 (G-2)	
	RES	SM C&I	MED C&I	LG C&I												
JULY 2004																
Customer Charge:					\$6.87	\$4.62	\$7.32	\$90.00	\$6.87		\$4.62		\$7.32		\$90.00	
Summer (June through September)																
Total					\$0.02558	\$0.02199	\$0.00939	\$0.00617	671	\$17.16	1,328	\$29.20	16,627	\$156.13	228,957	\$1,412.66
Winter (October through May)																
Total					\$0.02558	\$0.02199	\$0.00939	\$0.00617	671	\$17.16	1,328	\$29.20	16,627	\$156.13	228,957	\$1,412.66
DEMAND																
Summer																
First kW			10	100			\$0.87	\$1.09					10	\$8.70	100.0	\$109.00
Excess kW							\$4.12	\$2.06					40.9	\$168.51	454.7	\$936.68
Winter																
First kW			10	100			\$0.87	\$1.09					10	\$8.70	100.0	\$109.00
Excess kW							\$4.12	\$2.06					40.9	\$168.51	454.7	\$936.68
TOTAL WINTER									\$24.03		\$33.82		\$340.66		\$2,548.34	
TOTAL SUMMER									\$24.03		\$33.82		\$340.66		\$2,548.34	
EFFECTIVE ANNUAL									\$24.03		\$33.82		\$340.66		\$2,548.34	
EFFECTIVE RATE									3.581		2.547		2.049		1.113	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
Commonwealth Electric Company (NSTAR)			
Customer Class	Rate	Description	Availability
Residential	32 (R-1)	Residential	This rate is available for all domestic uses in a single private dwelling, in an individual apartment or in a residential condominium. Service under this rate to residential condominiums is available to the extent permitted by applicable regulations of the Massachusetts Department of Telecommunications and Energy. Service under this rate shall be Annual or Seasonal hereinafter defined and is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Small C&I	33 (G-1)	General	This rate is available for all non-residential uses of electricity to all Customers except those customers whose load for billing purposes either exceeds or is estimated to exceed 100 kilowatts in each of 12 consecutive billing months. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Medium C&I	33 (G-1)	General	This rate is available for all non-residential uses of electricity to all Customers except those customers whose load for billing purposes either exceeds or is estimated to exceed 100 kilowatts in each of 12 consecutive billing months. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Large C&I	24 (G-3)	Large General Time-of-Use	This rate is available for all uses of electricity to Customers who establish demands in excess of 500 kilowatts for at least 12 consecutive month. Service under this rate is subject to both the Company's printed requirements and the Company's Terms and Conditions - Distribution Service, each as in effect from time to time.
Notes:	Disribution energy charge includes a pension adjustment factor. Winter Pk split = 5/24*5/7, Summer pk = 9/24*5/7, Offpk = 9/24		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND						Distribution Rates			Bill Calculations								
Commonwealth Electric					32 (R-1)	33 (G-1)	33 (G-1)	24 (G-3)	32 (R-1)		33 (G-1)		33 (G-1)		24 (G-3)		
JULY 2004	RES	SM C&I	MED C&I	LG C&I													
Customer Charge:					\$3.73	\$5.53	\$5.53	\$900.00	\$3.73	\$5.53	\$5.53	\$900.00					
Summer (June through September)																	
Total					\$0.04600				671	\$30.87							
First kWh						2,300	2,300					1,328	\$50.03	2,300	\$86.64		
Excess kWh												0	\$0.00	14,327	\$120.35		
On-Peak								27%			\$0.00947					61,360	\$581.08
Shoulder								18%			\$0.00847					40,754	\$345.19
Off-Peak								55%			\$0.00493					126,842	\$625.33
Winter (October through May)																	
Total					\$0.04600				671	\$30.87							
First kWh						2,300	2,300					1,328	\$50.03	2,300	\$86.64		
Excess kWh												0	\$0.00	14,327	\$120.35		
On-Peak								15%			\$0.00947					34,115	\$323.07
Shoulder				30%			\$0.00847					68,000	\$575.96				
Off-Peak				55%			\$0.00493					126,842	\$625.33				
DEMAND	Total kW							\$0.88						554.7	\$488.14		
Summer	First kW	10	10			\$0.00	\$0.00			5.93	\$0.00	10	\$0.00				
	Excess kW					\$4.86	\$4.86			0	\$0.00	40.9	\$198.77				
Winter	First kW	10	10			\$0.00	\$0.00			5.93	\$0.00	10	\$0.00				
	Excess kW					\$4.86	\$4.86			0	\$0.00	40.9	\$198.77				
TOTAL WINTER										\$34.60	\$55.56	\$411.29	\$2,912.50				
TOTAL SUMMER										\$34.60	\$55.56	\$411.29	\$2,939.74				
EFFECTIVE ANNUAL										\$34.60	\$55.56	\$411.29	\$2,921.58				
EFFECTIVE RATE										5.156	4.184	2.474	1.276				

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Fitchburg Gas & Electric Company (Unitil)			
Customer Class	Rate	Description	Availability
Residential	R1	Residential Delivery Service	Service is available under this Schedule for all domestic purposes at individual private dwellings and in individual apartments and apartment or condominium buildings, and for churches and farms that received service under this rate prior to the effective date of this tariff page. Single Phase motors exceeding 5 horsepower will be allowed only upon approval by the Company in each instance. When service is delivered through one meter and used for both domestic and nondomestic purposes, billing shall be under this Schedule only if the predominant use of demand, determined by the Company on the basis of metered load data, connected loads, or consumption, is for domestic purposes. This Schedule is for delivery service only. Customers are required to obtain an energy supply from a Competitive Supplier or may be eligible for Standard Offer Service or Default Service from the Company pursuant to Schedules SOS or DS as amended from time to time. This Schedule is not available for service furnished for commercial or business purposes including garages, motels, hotels, and boarding houses or residences in which three or more rooms are rented, or for any other non-residential purposes.
Small C&I	GD2	Regular General Delivery Service	Service is available under this Schedule at single locations to Commercial and Industrial customers where the Company delivers electricity for the exclusive use of the customer and not for resale. This Schedule is for delivery service only. Customers are required to obtain an energy supply from a Competitive Supplier or may be eligible for Standard Offer Service or Default Service from the Company pursuant to Schedules SOS or DS as amended from time to time. For commercial Customers with demands, excluding space heating and water heating loads eligible under the G-5 rate, consistently greater than or equal to four (4) kilowatts or energy consumption consistently greater than or equal to eight hundred fifty (850) kilowatt-hours per month and generally less than one hundred twenty thousand (120,000) kilowatt-hours per month.
Medium C&I	GD2	Regular General Delivery Service	Service is available under this Schedule at single locations to Commercial and Industrial customers where the Company delivers electricity for the exclusive use of the customer and not for resale. This Schedule is for delivery service only. Customers are required to obtain an energy supply from a Competitive Supplier or may be eligible for Standard Offer Service or Default Service from the Company pursuant to Schedules SOS or DS as amended from time to time. For commercial Customers with demands, excluding space heating and water heating loads eligible under the G-5 rate, consistently greater than or equal to four (4) kilowatts or energy consumption consistently greater than or equal to eight hundred fifty (850) kilowatt-hours per month and generally less than one hundred twenty thousand (120,000) kilowatt-hours per month.
Large C&I	GD3	Large General Delivery Service	Service is available under this Schedule at single locations to Commercial and Industrial customers where the Company delivers electricity for the exclusive use of the customer and not for resale. This Schedule is for delivery service only. Customers are required to obtain an energy supply from a Competitive Supplier or may be eligible for Standard Offer Service or Default Service from the Company pursuant to Schedules SOS or DS as amended from time to time. For industrial or large commercial Customer not participating in special contract rates with energy consumption generally greater than or equal to one hundred twenty thousand (120,000) kilowatt-hours per month.
Notes:	Peak split = 15/24*5/7		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations							
Fitchburg Gas & Electric					R1	GD2	GD2	GD3	R1		GD2		GD2		GD3	
JULY 2004	RES	SM C&I	MED C&I	LG C&I												
Customer Charge:					\$3.02	\$6.83	\$6.83	\$500.00	\$3.02	\$6.83	\$6.83	\$500.00				
Summer (June through September)																
Total					\$0.04174	\$0.01419	\$0.01419		671	\$28.01	1,328	\$18.84	16,627	\$235.94	102,115	\$1,250.91
On-Peak				45%				\$0.01225							126,842	\$348.82
Off-Peak				55%				\$0.00275								
Winter (October through May)																
Total					\$0.04174	\$0.01419	\$0.01419		671	\$28.01	1,328	\$18.84	16,627	\$235.94	102,115	\$1,250.91
On-Peak				45%				\$0.01225							126,842	\$348.82
Off-Peak				55%				\$0.00275								
DEMAND	Total kW					\$5.94	\$5.94	\$2.95		5.93	\$35.22	50.9	\$302.35	554.7	\$1,636.37	
TOTAL WINTER									\$31.03	\$60.89	\$545.12	\$3,736.10				
TOTAL SUMMER									\$31.03	\$60.89	\$545.12	\$3,736.10				
EFFECTIVE ANNUAL									\$31.03	\$60.89	\$545.12	\$3,736.10				
EFFECTIVE RATE									4.624	4.585	3.279	1.632				

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Western Massachusetts Electric Company (Northeast Utilities)			
Customer Class	Rate	Description	Availability
Residential	R-1	Residential	This rate is applicable to the entire electrical requirements in single family residences, residential outbuildings, farms, and individual apartments where residential uses of electricity constitute more than 50% of customers energy use, and to common area use of condominiums except that this rate is not available to customers whose primary space heating source is electricity.
Small C&I	G-0	Small General Service	This rate is applicable to all uses of electricity at a single location. Such service shall not exceed 349 kW. All electricity delivered hereunder shall be measured through one metering equipment, except that, where the Company deems it impractical to deliver electricity through one service or where one meter has been installed, then the measurement of the amount of electricity consumed may be by two or more meters. All electricity supplied shall be for the exclusive use of the customer and shall not be resold. With the approval of the Company the customer may furnish electricity to persons or concerns who occupy space in the building to which service is supplied hereunder, but on the express condition that the customer shall not resell, make a specific charge for, or re-meter (or submeter) or measure or control the use of any of the electricity so furnished.
Medium C&I	G-0	Small General Service	This rate is applicable to all uses of electricity at a single location. Such service shall not exceed 349 kW. All electricity delivered hereunder shall be measured through one metering equipment, except that, where the Company deems it impractical to deliver electricity through one service or where one meter has been installed, then the measurement of the amount of electricity consumed may be by two or more meters. All electricity supplied shall be for the exclusive use of the customer and shall not be resold. With the approval of the Company the customer may furnish electricity to persons or concerns who occupy space in the building to which service is supplied hereunder, but on the express condition that the customer shall not resell, make a specific charge for, or re-meter (or submeter) or measure or control the use of any of the electricity so furnished.
Large C&I	T-2	Large Primary Service Time-of-Use	This rate is applicable only to the entire use of electricity at a single location where service requires only primary facilities. All electricity shall be measured through one meter, except that, where the Company deems it impractical to deliver electricity through one service, or where more than one meter has been installed, then the measurement of electricity may be by two or more meters. With the approval of the Company the customer may furnish electricity to persons or concerns who occupy space in the building to which service is supplied hereunder, but on the express condition that the customer shall not resell, make a specific charge for, or re-meter (or submeter) or measure or control the use of any of the electricity so furnished. Customers whose maximum demand equaled or exceeded 350 kW at any time in the most recent 12 months and new customers whose demand is reasonable anticipated to equal or exceed 350 kW within one year must take service under this rate.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations					
Western Mass. Electric					R-1	G-0	G-0	T-2	R-1	G-0	G-0	T-2		
JULY 2004	RES	SM C&I	MED C&I	LG C&I										
Customer Charge:					\$8.53	\$31.92	\$31.92	\$2,700.95	\$8.53	\$31.92	\$31.92	\$2,700.95		
Summer (June through September)														
Total					\$0.02783	\$0.00000	\$0.00000		671	\$18.67	1,328	\$0.00	16,627	\$0.00
Winter (October through May)														
Total					\$0.02783	\$0.00000	\$0.00000		671	\$18.67	1,328	\$0.00	16,627	\$0.00
DEMAND								\$1.66					554.7	\$920.80
Summer														
First kW		2	2			\$0.00	\$0.00			2	\$0.00	2	\$0.00	
Excess kW						\$8.03	\$8.03			3.93	\$31.56	48.9	\$392.67	
Winter														
First kW		2	2			\$0.00	\$0.00			2	\$0.00	2	\$0.00	
Excess kW						\$8.03	\$8.03			3.93	\$31.56	48.9	\$392.67	
TOTAL WINTER									\$27.20	\$63.48	\$424.59	\$3,621.75		
TOTAL SUMMER									\$27.20	\$63.48	\$424.59	\$3,621.75		
EFFECTIVE ANNUAL									\$27.20	\$63.48	\$424.59	\$3,621.75		
EFFECTIVE RATE									4.054	4.780	2.554	1.582		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
Bangor Hydro-Electric Company			
Customer Class	Rate	Description	Availability
Residential	A	Residential Service Rate	Service under this rate is available for lighting and other domestic purposes in individual residences and individual apartments. It is not applicable where the use of electricity is for commercial purposes. Customers taking service under this rate schedule are responsible for paying both Distribution service and
Small C&I	B-1	General Service Rate	Service under this rate is available for all commercial purposes to customers with billing demands of less than 25 kW. The 25 kW ceiling that applied to existing customers receiving service under this rate prior to November 1, 1986 is removed. Customers taking service under this rate schedule are responsible for paying both Distribution Service and Stranded Cost.
Medium C&I	D-1	Large Power Rate - Secondary	Service under this rate is available for all commercial and industrial where the customer agrees to pay for service on this basis of 25 kW or more of demand. Customers taking service under this rate schedule are responsible for paying both Distribution Service and Stranded Cost.
Large C&I	D-1	Large Power Rate - Secondary	Service under this rate is available for all commercial and industrial where the customer agrees to pay for service on this basis of 25 kW or more of demand. Customers taking service under this rate schedule are responsible for paying both Distribution Service and Stranded Cost.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations							
Bangor Hydro-Elec Company					A	B-1	D-1	D-1	A		B-1		D-1		D-1	
JULY 2004	RES	SM C&I	MED C&I	LG C&I												
Customer Charge:					\$5.56	\$12.83	\$39.50	\$39.50	\$5.56	\$12.83	\$39.50	\$39.50				
Off-Peak Season(March through October)																
Total						\$0.03812	\$0.01912	\$0.01912		1,328	\$50.62	16,627	\$317.91	228,957	\$4,377.66	
First kWh	100				\$0.00000				100	\$0.00						
Excess kWh					\$0.05553				571	\$31.71						
Peak Season (November through February)																
Total						\$0.03812	\$0.02177	\$0.02177		1,328	\$50.62	16,627	\$361.97	228,957	\$4,984.39	
First kWh	100				\$0.00000				100	\$0.00						
Excess kWh					\$0.05553				571	\$31.71						
DEMAND																
Off-Peak Season			0	0			\$0.00	\$0.00			0	\$0.00	0.0	\$0.00	\$0.00	
First kW							\$1.44	\$1.44			50.9	\$73.30	554.7	\$798.77		
Excess kW							\$0.00	\$0.00			0	\$0.00	0.0	\$0.00		
Peak Season			0	0			\$0.00	\$0.00			0	\$0.00	0.0	\$0.00	\$0.00	
First kW							\$1.84	\$1.84			50.9	\$93.66	554.7	\$1,020.65		
Excess kW																
TOTAL PEAK SEASON									\$37.27	\$63.45	\$495.13	\$6,044.54				
TOTAL OFF PEAK SEASON									\$37.27	\$63.45	\$430.71	\$5,215.93				
EFFECTIVE ANNUAL									\$37.27	\$63.45	\$452.18	\$5,492.13				
EFFECTIVE RATE									5.554	4.778	2.720	2.399				

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
Maine Public Service			
Customer Class	Rate	Description	Availability
Residential	A	Residential Service	This rate is available to any year-round customer for residential service as defined in the Company's Terms and Conditions.
Small C&I	C	General Service	Except as provided under "Special Terms and Conditions", this rate is available to any customer whose monthly demand requirements are not in excess of 50 kilowatts during any two of the five consecutive months from November through March for commercial or industrial purposes used through one metered service.
Medium C&I	E-S	Large Power Service - Secondary	This rate is available to any industrial, commercial or general customer whose service is taken at secondary voltage and whose maximum demand is at least 50 kilowatts but less than 500 kilowatts during any two of the five consecutive months from November through March and who is not taking service under Rate E-S-T. Contracts for 500 kilowatts or more must be in writing
Large C&I	E-S	Large Power Service - Secondary	This rate is available to any industrial, commercial or general customer whose service is taken at secondary voltage and whose maximum demand is at least 50 kilowatts but less than 500 kilowatts during any two of the five consecutive months from November through March and who is not taking service under Rate E-S-T. Contracts for 500 kilowatts or more must be in writing
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations					
Maine Public Service					A	C	E-S	E-S	A	C	E-S	E-S		
JULY 2004	RES	SM C&I	MED C&I	LG C&I										
Customer Charge:					\$4.75	\$11.97	\$41.46	\$41.46	\$4.75	\$11.97	\$41.46	\$41.46		
Off-Peak Season(April through October)														
Total						\$0.01961	\$0.00000	\$0.00000		1,328	\$26.04	16,627	\$0.00	228,957
First kWh	100				\$0.00000				100	\$0.00				\$0.00
Excess kWh					\$0.04746				571	\$27.10				
Peak Season (November through March)														
Total						\$0.05058	\$0.00316	\$0.00316		1,328	\$67.17	16,627	\$52.56	228,957
First kWh	100				\$0.00000				100	\$0.00				\$723.73
Excess kWh					\$0.04746				571	\$27.10				
DEMAND														
Off-Peak Season	Total						\$4.37	\$4.37			50.9	\$222.43	554.7	\$2,424.04
Peak Season	Total						\$8.63	\$8.63			50.9	\$439.27	554.7	\$4,787.06
TOTAL PEAK SEASON									\$31.85	\$79.14	\$533.29		\$5,552.25	
TOTAL OFF PEAK SEASON									\$31.85	\$38.01	\$263.89		\$2,465.50	
EFFECTIVE ANNUAL									\$31.85	\$62.00	\$421.04		\$4,266.10	
EFFECTIVE RATE									4.747	4.669	2.532		1.863	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Granite State Electric Company			
Utility	Rate	Description	Availability
Customer Class			
Residential	D	Domestic Service Rate	Retail Delivery Service is under this rate is available for all domestic purposes in an individual dwelling or an individual apartment and for farm purposes. If electricity is delivered through more than one meter, the charge for electricity delivered through each meter shall be computed separately under this rate.
Small C&I	G3	General Service Rate	Retail Delivery Service under this rate is available for all purposes except for resale. A Customer will take delivery service on this rate if the Company estimates that its average use will be less than 20 kW of demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate.
Medium C&I	G2	General Long Hour Service Rate	Retail Delivery Service under this rate is available for all purposes except resale, subject to the provisions of this section. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than or equal to 20 kW of Demand but is less than 200 kW of Demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate. A customer may be transferred from rate G-2 at its request or at the option of the Company if the customer's twelve (12) month average monthly demand is less than 18 kW of demand for three consecutive months. If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be furnished hereunder, except such electricity as may be delivered under the provisions of the Limited Commercial Space Heating Rate V.
Large C&I	G1	General Service Time-of-use Rate	Retail Delivery Service under this rate is available for all purposes except resale, subject to the provisions of this section. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than or equal to 200 kW of Demand. A Customer may be transferred from rate G1 at its request or at the option of the Company if the customer's 12 month average monthly demand is less than 180 kW of Demand for 3 consecutive months. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate. If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be furnished hereunder, except such electricity as may be delivered under the provisions of the Limited Commercial Space Heating Rate V. The actual delivery of service and the rendering of bills under this rate is contingent upon the installation of the necessary time-of-use metering equipment by the Company; subject to both the availability of such meters from the Company's supplier and the conversion or installation procedures established by the Company. All customers served on this rate must elect to take their total electric service under the time-of-use metering installation as approved by the Company. If delivery is through more than one meter, except at the Company's option, the Monthly Charge for service through each meter shall be computed separately under this rate.

Notes: Distribution energy charge includes a Business Profits Tax Surcharge. Peak split from load research = 46%

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations					
Granite State Electric					D	G3	G2	G1	D	G3	G2	G1		
JULY 2004	RES	SM C&I	MED C&I	LG C&I										
Customer Charge:					\$4.72	\$5.95	\$26.87	\$100.34	\$4.72	\$5.95	\$26.87	\$100.34		
Summer (June through September)														
Total						\$0.03378	\$0.00092			1,328	\$44.86	16,627	\$15.30	
First kWh	250				\$0.01830				250	\$4.58				
Excess kWh					\$0.04672				421	\$19.67				
On-Peak				46%				\$0.00203						105,320
Off-Peak				54%				\$0.00057						123,637
Winter (October through May)														
Total						\$0.03378	\$0.00092			1,328	\$44.86	16,627	\$15.30	
First kWh	250				\$0.01830				250	\$4.58				
Excess kWh					\$0.04672				421	\$19.67				
On-Peak				46%				\$0.00203						105,320
Off-Peak				54%				\$0.00057						123,637
DEMAND	Total kW						\$4.86	\$4.39			50.9	\$247.37	554.7	\$2,435.13
TOTAL WINTER									\$28.97	\$50.81	\$289.54	\$2,819.74		
TOTAL SUMMER									\$28.97	\$50.81	\$289.54	\$2,819.74		
EFFECTIVE ANNUAL									\$28.97	\$50.81	\$289.54	\$2,819.74		
EFFECTIVE RATE									4.317	3.826	1.741	1.232		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility		New Hampshire Electric Cooperative Inc.	
Customer Class	Rate	Description	Availability
Residential	B	Basic	Description not available.
Small C&I	B3	Basic 3 Phase (< 50 kW)	Description not available.
Medium C&I	LB3	Basic 3 Phase (>=50<150 kW)	Description not available.
Large C&I	IND	Basic 3 Phase (>=150 kW)	Description not available.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations							
NH Electric Co-Op					B	B3	LB3	IND	B		B3		LB3		IND	
JULY 2004	RES	SM C&I	MED C&I	LG C&I				<500kW								
Customer Charge:					\$20.00	\$40.00	\$240.00	\$265.00	\$20.00		\$40.00		\$240.00		\$265.00	
Summer (June through September)																
Total					\$0.02567	\$0.04267	\$0.01900	\$0.01610	671	\$17.22	1,328	\$56.67	16,627	\$315.91	228,957	\$3,686.21
Winter (October through May)																
Total					\$0.02567	\$0.04267	\$0.01900	\$0.01610	671	\$17.22	1,328	\$56.67	16,627	\$315.91	228,957	\$3,686.21
DEMAND																
Summer	First kW		40	50			\$0.00						40	\$0.00	50.0	\$0.00
	Excess kW						\$6.00	\$5.30					10.9	\$65.40	504.7	\$2,674.91
Winter	First kW		40	50			\$0.00						40	\$0.00	50.0	\$0.00
	Excess kW						\$6.00	\$5.30					10.9	\$65.40	504.7	\$2,674.91
TOTAL WINTER									\$37.22		\$96.67		\$621.31		\$6,626.12	
TOTAL SUMMER									\$37.22		\$96.67		\$621.31		\$6,626.12	
EFFECTIVE ANNUAL									\$37.22		\$96.67		\$621.31		\$6,626.12	
EFFECTIVE RATE									5.547		7.279		3.737		2.894	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
Unitil Energy Service, Inc.			
Customer Class	Rate	Description	Availability
Residential	D	Domestic Delivery Service	Service is available under this schedule for all domestic purposes, subject to the conditions contained herein at the individual private dwellings and farms connected herewith, and in individual apartments, and includes the operation of single phase motors having such characteristics and so operates as not to impair service to other customers. Single phase motors exceeding five (5) horsepower will be allowed only upon approval by the Company in each instance.
Small C&I	G-2	Regular General Service	Service is available under this Schedule to non-domestic Customers for all general purposes and includes the operation of single phase motors having such characteristics and so operated as not to impair service to others. Single phase motors exceeding (5) horsepower will be allowed only upon approval by the Company in each instance. Effective on Choice Date, this Schedule is for delivery service only. Customers are required to obtain energy supplier from a Competitive Supplier, self-supply, or may be eligible for Transition Service or Default Service pursuant to Schedules TS or DS as amended from time to time. For any industrial or commercial Customer with its average use consistently below two-hundred (200) kilovolt-amperes of demand and general less than one-hundred thousand (100,000) kilowatt-hours per month.
Medium C&I	G-2	Regular General Service	Service is available under this Schedule to non-domestic Customers for all general purposes and includes the operation of single phase motors having such characteristics and so operated as not to impair service to others. Single phase motors exceeding (5) horsepower will be allowed only upon approval by the Company in each instance. Effective on Choice Date, this Schedule is for delivery service only. Customers are required to obtain energy supplier from a Competitive Supplier, self-supply, or may be eligible for Transition Service or Default Service pursuant to Schedules TS or DS as amended from time to time. For any industrial or commercial Customer with its average use consistently below two-hundred (200) kilovolt-amperes of demand and general less than one-hundred thousand (100,000) kilowatt-hours per month.
Large C&I	G-1	Large General Service	Service is available under this Schedule to non-domestic Customers for all general purposes and includes the operation of single phase motors having such characteristics and so operated as not to impair service to others. Single phase motors exceeding (5) horsepower will be allowed only upon approval by the Company in each instance. Effective on Choice Date, this Schedule is for delivery service only. Customers are required to obtain energy supplier from a Competitive Supplier, self-supply, or may be eligible for Transition Service or Default Service pursuant to Schedules TS or DS as amended from time to time. For any industrial or commercial Customer with its average use consistently equal to or in excess of two hundred (200) kilovolt-amperes of demand and generally greater than or equal to one-hundred thousand (100,000) kilowatt-hours per month.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations			
Unitil Energy Services, Inc					D	G-2	G-2	G-1	D	G-2	G-2	G-1
JULY 2004	RES	SM C&I	MED C&I	LG C&I								
Customer Charge:					\$7.00	\$9.00	\$9.00	\$182.85	\$7.00	\$9.00	\$9.00	\$182.85
Summer (June through September)												
Total						\$0.00160	\$0.00160	\$0.00160		1,328	\$2.12	
First kWh	250				\$0.01393				250	\$3.48		
Excess kWh					\$0.02326				421	\$9.79		
Winter (October through May)												
Total						\$0.00160	\$0.00160	\$0.00160		1,328	\$2.12	
First kWh	250				\$0.01393				250	\$3.48		
Excess kWh					\$0.02326				421	\$9.79		
DEMAND	Total kW					\$6.13	\$6.13	\$4.65		5.93	\$36.35	
TOTAL WINTER									\$20.27	\$47.47	\$347.62	\$3,128.54
TOTAL SUMMER									\$20.27	\$47.47	\$347.62	\$3,128.54
EFFECTIVE ANNUAL									\$20.27	\$47.47	\$347.62	\$3,128.54
EFFECTIVE RATE									3.021	3.575	2.091	1.366

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
Narragansett Electric Company			
Customer Class	Rate	Description	Availability
Residential	A16		Electric delivery service under this rate is available for all domestic purposes in an individual private dwelling or an individual private apartment. Notwithstanding the foregoing, service is not available under this rate for any customer required to take service on the Residential Time-of-Use Rate A-32. Service is also available for farm customers where all electricity is delivered by the Company. The Company may under unusual circumstances permit more than one set of living quarters to be served through one metering installation under this rate, but if so, the Customer Charge shall be multiplied by the number of separate living quarters so served. A church and adjacent buildings owned and operated by the church may be served under this rate, but any such buildings separated by public ways must be billed separately.
Small C&I	C06	Small C&I Rate	Electric delivery service under this rate is available for all purposes. If electricity is delivered through more than one meter, except at the Company's option, the Monthly Charge for service through each meter shall be computed separately under this rate. Notwithstanding the foregoing, the Company may require any customer with a 12-month average demand greater than 200 kW to take service on the 200 kW Demand Rate G-32. If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be delivered hereunder, except such electricity as may be delivered under the provisions of the Limited Service - Business Space Heating (V-02) rate.
Medium C&I	G02	General C&I Rate	Electric delivery service under this rate is available for all purposes to customers with a Demand of 10 kilowatts or more. If electricity is delivered through more than one meter, except at the Company's option, the Monthly Charge for service through each meter shall be computed separately under this rate. Notwithstanding the foregoing, the Company may require any customer with a 12-month average Demand greater than 200 kW to take service on the 200 kW Demand Rate G-32. If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be delivered hereunder, except such electricity as may be delivered under the provisions of the Limited Service - Business Space Heating (V-02) rate.
Large C&I	G32	200 kW Demand Rate	<p>Electric delivery service shall be taken under this rate for all purposes by any customer who is placed on the rate by the Company in accordance with this paragraph. The Company shall place on this rate any customer who has a 12-month average Demand of 200 kW or greater for 3 consecutive months as soon as practicable. Notwithstanding the foregoing, the Company may require any customer with a 12-month maximum demand of 3000 kW or greater to take delivery service on the 3000 kW Demand Rate G-62 (subject to the settlement provisions in Docket No. 2290). This paragraph shall not apply to delivery service taken under the Residential Storage Heating Rate E-30 or the Storage Cooling Rate E-40. For purposes of determining the customer's Demand, delivery service taken under rates E-30 and E-40 shall be excluded. Delivery service can be taken on a voluntary basis under this rate by customers who do not meet the minimum size requirements in this paragraph, provided however, that customers required to take delivery service under the 3000 kW Demand Rate G-62 shall take service under that tariff.</p> <p>If any electricity is delivered hereunder at a given location, then all electricity deliveries by the Company at such location shall be delivered hereunder, except for delivery service taken under rate E-30 or E-40.</p>
Notes:		Straightforward mapping of rates.	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations					
Narragansett Electric					A16	C06	G02	G32	A16	C06	G02	G32		
JULY 2004	RES	SM C&I	MED C&I	LG C&I										
Customer Charge:					\$2.54	\$5.73	\$103.41	\$236.43	\$2.54	\$5.73	\$103.41	\$236.43		
Summer (June through September)														
Total					\$0.03642	\$0.03860	\$0.00992	\$0.01101	671	\$24.44	1,328	\$51.26	16,627	\$164.94
Winter (October through May)													228,957	\$2,520.82
Total					\$0.03642	\$0.03860	\$0.00992	\$0.01101	671	\$24.44	1,328	\$51.26	16,627	\$164.94
DEMAND								\$1.56						
Summer			10				\$0.00				10	\$0.00		
Excess kW							\$2.91				40.9	\$119.02		
Winter			10				\$0.00				10	\$0.00		
Excess kW							\$2.91				40.9	\$119.02		
TOTAL WINTER									\$26.98	\$56.99	\$387.37	\$3,622.58		
TOTAL SUMMER									\$26.98	\$56.99	\$387.37	\$3,622.58		
EFFECTIVE ANNUAL									\$26.98	\$56.99	\$387.37	\$3,622.58		
EFFECTIVE RATE									4.021	4.291	2.330	1.582		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility	Atlantic City Electric Company (Connecticut Power Delivery)		
Customer Class	Rate	Description	Availability
Residential	RS	Residential Service	Available for full domestic service to individually metered residential customers, including rural domestic customers, engaged primarily in agricultural pursuits.
Small C&I	MGS	Monthly General Service - Secondary	Available at any point of the Company's system where facilities of adequate character and capacity exist for the entire electric service requirements of any customer delivered at one point and metered at or compensated to the voltage of delivery. This schedule is not available to residential customers.
Medium C&I	MGS	Monthly General Service - Secondary	Available at any point of the Company's system where facilities of adequate character and capacity exist for the entire electric service requirements of any customer delivered at one point and metered at or compensated to the voltage of delivery. This schedule is not available to residential customers.
Large C&I	AGS	Annual General Service - Secondary	Available at any point of Company's system where facilities of adequate character and capacity exist for the entire electric service requirements of any customer contracting for annual service delivered at one point and metered at or compensated to the voltage of delivery.
Notes:	Adjusted rates to remove New Jersey State Sales and Use Tax .		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW JERSEY					Distribution Rates				Bill Calculations							
Atlantic City Electric Co.					RS	MGS	MGS	AGS	RS		MGS		MGS		AGS	
JULY 2004	RES	SM C&I	MED C&I	LG C&I												
Customer Charge:					\$2.34	\$4.49	\$4.49	\$87.23	\$2.34		\$4.49		\$4.49		\$87.23	
Summer (June through September)																
First kWh	750	300	300	183,051	\$0.027013	\$0.037881	\$0.037881	\$0.000301	671	\$18.13	300	\$11.36	300	\$11.36	183,051	\$55.09
Next kWh	0	900	900	82,500	\$0.022161	\$0.022161	\$0.022161	\$0.000331	0	\$0.00	900	\$19.95	900	\$19.95	45,906	\$15.20
Excess kWh					\$0.030342	\$0.019466	\$0.019466	\$0.000301	0	\$0.00	128	\$2.49	15,427	\$300.30	0	\$0.00
Winter (October through May)																
First kWh	500	300	300	183,051	\$0.026996	\$0.037947	\$0.037947	\$0.000301	500	\$13.50	300	\$11.38	300	\$11.38	183,051	\$55.09
Next kWh	0	900	900	82,500	\$0.017413	\$0.017413	\$0.017413	\$0.000331	0	\$0.00	900	\$15.67	900	\$15.67	45,906	\$15.20
Excess kWh					\$0.022149	\$0.017413	\$0.017413	\$0.000301	171	\$3.79	128	\$2.23	15,427	\$268.63	0	\$0.00
DEMAND																
Summer																
First kW		3	3	25		\$0.00	\$0.00	\$0.20			3.0	\$0.00	3.0	\$0.00	25.0	\$5.03
Next kW		0	0	875				\$5.03			0.0	\$0.00	0.0	\$0.00	529.7	\$2,663.49
Excess kW				9,100		\$4.32	\$4.32	\$5.00			2.9	\$12.66	47.9	\$206.96	0.0	\$0.00
Winter																
First kW		3	3	25		\$0.00	\$0.00	\$0.20			3.0	\$0.00	3.0	\$0.00	25.0	\$5.03
Next kW		0	0	875				\$5.03			0.0	\$0.00	0.0	\$0.00	529.7	\$2,663.49
Excess kW				9,100		\$3.55	\$3.55	\$5.00			2.9	\$10.39	47.9	\$169.91	0.0	\$0.00
TOTAL WINTER										\$19.63		\$44.17		\$470.09		\$2,826.04
TOTAL SUMMER										\$20.47		\$50.95		\$543.07		\$2,826.04
EFFECTIVE ANNUAL										\$19.91		\$46.43		\$494.42		\$2,826.04
EFFECTIVE RATE										2.967		3.496		2.974		1.234

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Jersey Central Power & Light Company (FirstEnergy)			
Customer Class	Rate	Description	Availability
Residential	RS	Residential Service	Available for: (a) Individual Residential Structures; (b) separately metered residences in Multiple Residential Structures; (c) incidental use for not-residential purposes when included along with the residence; and/or (d) Auxiliary Residential Purposes whether metered separately from the residence or not. This Service Classification is optional for customers which elect to be billed hereunder rather than under Service Classification RT.
Small C&I	GS	General Service Secondary	Available for general service purposes at secondary voltages not included under Service Classifications RS, RT, RGT or GST.
Medium C&I	GS	General Service Secondary	Available for general service purposes at secondary voltages not included under Service Classifications RS, RT, RGT or GST.
Large C&I	GS	General Service Secondary	Available for general service purposes at secondary voltages not included under Service Classifications RS, RT, RGT or GST.
Notes:	Adjusted rates to remove New Jersey State Sales and Use Tax. Includes uncollectable accounts charge as well as a lifeline (low income) charge.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
2003 Average Usage				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW JERSEY					Distribution Rates				Bill Calculations							
Jersey Central Power & Light					RS	GS	GS	GS	RS	GS	GS	GS	GS	GS	GS	GS
JULY 2004	RES	SM C&I	MED C&I	LG C&I				<750kW								
Customer Charge:					\$2.06	\$3.04	\$10.89	\$10.89	\$2.06	\$3.04	\$10.89	\$10.89	\$2.06	\$3.04	\$10.89	\$10.89
Summer (June through September)																
First kWh	600	1,000	1,000	1,000	\$0.014396	\$0.052325	\$0.052325	\$0.052325	600	\$8.64	1,000	\$52.32	1,000	\$52.32	1,000	\$52.32
Excess kWh					\$0.054108	\$0.005063	\$0.005063	\$0.005063	71	\$3.84	328	\$1.66	15,627	\$79.12	227,957	\$1,154.19
Winter (October through May)																
First kWh	1,000	1,000	1,000	1,000	\$0.022975	\$0.048487	\$0.048487	\$0.048487	671	\$15.42	1,000	\$48.49	1,000	\$48.49	1,000	\$48.49
Excess kWh					\$0.022975	\$0.005063	\$0.005063	\$0.005063	0	\$0.00	328	\$1.66	15,627	\$79.12	227,957	\$1,154.19
DEMAND																
Summer	First kW		10	10		\$0.00	\$0.00	\$0.00		5.9	\$0.00	10.0	\$0.00	10.0	\$0.00	
	Excess kW					\$5.76	\$5.76	\$5.76		0.0	\$0.00	40.9	\$235.75	544.7	\$3,139.73	
Winter	First kW		10	10		\$0.00	\$0.00	\$0.00		5.9	\$0.00	10.0	\$0.00	10.0	\$0.00	
	Excess kW					\$5.37	\$5.37	\$5.37		0.0	\$0.00	40.9	\$219.55	544.7	\$2,923.91	
TOTAL WINTER									\$17.47	\$53.19	\$358.04	\$358.04	\$358.04	\$358.04	\$4,137.48	
TOTAL SUMMER									\$14.54	\$57.02	\$378.09	\$378.09	\$378.09	\$378.09	\$4,357.14	
EFFECTIVE ANNUAL									\$16.49	\$54.46	\$364.73	\$364.73	\$364.73	\$364.73	\$4,210.70	
EFFECTIVE RATE									2.458	4.101	2.194	2.194	2.194	2.194	1.839	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Public Service Electric & Gas Company			
Residential	RS	Residential Service	Delivery service for residential purposes. Customers may either purchase electric supply from a Third Party Supplier (TPS) or from Public Services Basic Generation Service default service as detailed in this rate schedule.
Small C&I	GLP	General Lighting and Power Service	Delivery service for general purposes at secondary distribution voltages. Customers may either purchase electric supply from a Third Party Supplier (TPS) or from Public Services Basic Generation Service default service as detailed in this rate schedule.
Medium C&I	GLP	General Lighting and Power Service	Delivery service for general purposes at secondary distribution voltages. Customers may either purchase electric supply from a Third Party Supplier (TPS) or from Public Services Basic Generation Service default service as detailed in this rate schedule.
Large C&I	LPL	Large Power and Lighting Service	Delivery service for general purposes at secondary distribution voltages where the customer's measured peak demand exceeds 150 kilowatts in any month and also at primary distribution voltages. Customers may either purchase electric supply from a Third Party Supplier (TPS) or from Public Services Basic Generation Service default service as detailed in this rate schedule.
Notes:	Rates do not include New Jersey State Sales and Use Tax. Adjusted rates to remove Transitional Energy Facility Assessment Unit Tax. Includes an amortization of excess depreciation reserve credit.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW JERSEY					Distribution Rates				Bill Calculations							
Public Service Electric & Gas					RS	GLP	GLP	LPL	RS		GLP		GLP		LPL	
JULY 2004		RES	SM C&I	MED C&I	LG C&I											
Customer Charge:						\$2.27	\$3.96	\$3.96	\$347.77	\$2.27						
Summer (June through September)																
Total							\$0.008385	\$0.008385	-\$0.001565		1,328	\$11.14	16,627	\$139.42	228,957	-\$358.32
First kWh		600	2,300	2,300		\$0.024135				600	\$14.48					
Excess kWh						\$0.027956				71	\$1.98					
Winter (October through May)																
Total							\$0.001440	\$0.001440	-\$0.001565		1,328	\$1.91	16,627	\$23.94	228,957	-\$358.32
First kWh		600	2,300	2,300		\$0.031779				600	\$19.07					
Excess kWh						\$0.031779				71	\$2.26					
DEMAND																
Summer			0	0	0		\$0.00	\$0.00	\$0.00		0.0	\$0.00	0.0	\$0.00	0.0	\$0.00
First kW							\$10.39	\$10.39	\$10.19		5.9	\$61.63	50.9	\$529.03	554.7	\$5,650.12
Excess kW																
Winter			0	0	0		\$0.00	\$0.00	\$0.00		0.0	\$0.00	0.0	\$0.00	0.0	\$0.00
First kW							\$3.64	\$3.64	\$3.01		5.9	\$21.58	50.9	\$185.24	554.7	\$1,672.09
Excess kW																
TOTAL WINTER										\$23.59		\$27.45		\$213.14		\$1,661.54
TOTAL SUMMER										\$18.74		\$76.73		\$672.41		\$5,639.57
EFFECTIVE ANNUAL										\$21.97		\$43.88		\$366.23		\$2,987.55
EFFECTIVE RATE										3.275		3.304		2.203		1.305

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
Rockland Electric Company (Orange & Rockland)			
Customer Class	Rate	Description	Availability
Residential	1	Service	Sales and delivery of electric power provided by the Company or delivery of electric power supply provided by an electric generation supplier under the Classification No. 1 hereunder to a church and adjacent buildings (other than school buildings which substitute for public education), owned by the church and operated in conjunction therewith' provided, however, that if the buildings of any such church group are separated by a highway or by highways, then the electricity delivered to each group so separated shall not be combined with the electricity delivered to other buildings of the church group but shall be billed separately under this rate.
Small C&I	2	Service	Sales and delivery of electric power provided by the Company or delivery of electric power supply provided by an electric generation supplier under the Classification No. 2 previous twelve months shall not be eligible for this rate and shall be transferred to Service Classification No. 7. A customer so transferred shall only be eligible to transfer back to Service Classification No. 2 on the annual anniversary of the transfer to Service Classification No. 7 and only if said customer has not exceeded 1000 kW during any two of the previous twelve months. All service at one location shall be taken through one meter except that service under Special Provision B shall be separately metered.
Medium C&I	2	Service	Sales and delivery of electric power provided by the Company or delivery of electric power supply provided by an electric generation supplier under the Classification No. 2 previous twelve months shall not be eligible for this rate and shall be transferred to Service Classification No. 7. A customer so transferred shall only be eligible to transfer back to Service Classification No. 2 on the annual anniversary of the transfer to Service Classification No. 7 and only if said customer has not exceeded 1000 kW during any two of the previous twelve months. All service at one location shall be taken through one meter except that service under Special Provision B shall be separately metered.
Large C&I	2	Service	Sales and delivery of electric power provided by the Company or delivery of electric power supply provided by an electric generation supplier under the Classification No. 2 previous twelve months shall not be eligible for this rate and shall be transferred to Service Classification No. 7. A customer so transferred shall only be eligible to transfer back to Service Classification No. 2 on the annual anniversary of the transfer to Service Classification No. 7 and only if said customer has not exceeded 1000 kW during any two of the previous twelve months. All service at one location shall be taken through one meter except that service under Special Provision B shall be separately metered.
Notes:	Adjusted rates to remove New Jersey State Sales and Use Tax and Transtional Energy Facility Assessment Unit Tax.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
2003 Average Usage				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW JERSEY					Distribution Rates				Bill Calculations							
Rockland Electric Company					1	2	2	2	1	2	2	2	2	2	2	2
JULY 2004	RES	SM C&I	MED C&I	LG C&I				<1000kW								
Customer Charge:					\$3.63	\$6.17	\$6.17	\$6.17	\$3.63	\$6.17	\$6.17	\$6.17	\$6.17	\$6.17	\$6.17	\$6.17
Summer (June through September)																
First kWh	250	4,920	4,920	4,920	\$0.019104	\$0.027528	\$0.027528	\$0.027528	250	\$4.78	1,328	\$36.56	4,920	\$135.44	4,920	\$135.44
Excess kWh					\$0.025292	\$0.016349	\$0.016349	\$0.016349	421	\$10.65	0	\$0.00	11,707	\$191.40	224,037	\$3,662.79
Winter (October through May)																
First kWh	1,000	4,920	4,920	4,920	\$0.019104	\$0.024821	\$0.024821	\$0.024821	671	\$12.82	1,328	\$32.96	4,920	\$122.12	4,920	\$122.12
Excess kWh					\$0.027198	\$0.016349	\$0.016349	\$0.016349	0	\$0.00	0	\$0.00	11,707	\$191.40	224,037	\$3,662.79
DEMAND																
Summer																
First kW		5	5	5		\$0.00	\$0.00	\$0.00		5.0	\$0.00	5.0	\$0.00	5.0	\$0.00	\$0.00
Excess kW						\$2.68	\$2.68	\$2.68		0.9	\$2.49	45.9	\$122.98	549.7	\$1,472.78	
Winter																
First kW		5	5	5		\$0.00	\$0.00	\$0.00		5.0	\$0.00	5.0	\$0.00	5.0	\$0.00	\$0.00
Excess kW						\$2.30	\$2.30	\$2.30		0.9	\$2.14	45.9	\$105.66	549.7	\$1,265.35	
TOTAL WINTER									\$16.45	\$41.27	\$425.34	\$5,056.43				
TOTAL SUMMER									\$19.06	\$45.22	\$455.98	\$5,277.18				
EFFECTIVE ANNUAL									\$17.32	\$42.59	\$435.56	\$5,130.01				
EFFECTIVE RATE									2.581	3.207	2.620	2.241				

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Consolidated Edison Company of New York			
Customer Class	Rate	Description	Availability
Residential	SC-1	Residential and Religious	Applicable to Use of Service for light, heat, and power, when supplied directly by the Company to any single-family dwelling or building or to any individual flat or apartment in a multiple-family dwelling or building or portion thereof occupied as the home, residence or sleeping place of the Customer or an employee of the Customer, or when supplied directly by the Company to any corporation or association organized and conducted in good faith for religious purposes, where such electric service is utilized exclusively in connection with such religious purposes, to a community residence, or to a post or hall owned or leased by a not-for-profit corporation that is a veterans' organization, subject to the Special Provisions hereof.
Small C&I	SC-2	General - Small	Applicable to Use of Service for light, heat, and power for general uses where the Customer's requirements do not exceed 10 kilowatts subject to the Common Provisions Applicable to Rate I and Rate II and the Special Provisions of this Service Classification.
Medium C&I	SC-9	General - Large	Applicable to Use of Service for light, heat, and power where the Customer's initial requirements are expected to be in excess of 10 kilowatts subject to the Common Provisions Applicable to Rate I and Rate II and the Special Provisions of this Service Classification.
Large C&I	SC-9	General - Large	Applicable to Use of Service for light, heat, and power where the Customer's initial requirements are expected to be in excess of 10 kilowatts subject to the Common Provisions Applicable to Rate I and Rate II and the Special Provisions of this Service Classification.
Notes:	For Large C&I time of day under SC-9 not required because not >1,500kW		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW YORK					Distribution Rates				Bill Calculations							
Consolidated Edison of NY					SC-1	SC-2	SC-9	SC-9	SC-1		SC-2		SC-9		SC-9	
JULY 2004	RES	SM C&I	MED C&I	LG C&I												
Customer Charge:					\$10.28	\$12.74	\$0.00	\$0.00	\$10.28		\$12.74		\$0.00		\$0.00	
Summer (June through September)																
First kWh	250	900	15,000	15,000	\$0.041060	\$0.054700	\$0.010900	\$0.010900	250	\$10.27	900	\$49.23	15,000	\$163.50	15,000	\$163.50
Next kWh	0	1,100	0	0		\$0.048700			0	\$0.00	428	\$20.84	0	\$0.00	0	\$0.00
Excess kWh					\$0.046390	\$0.022600	\$0.010900	\$0.010900	421	\$19.53	0	\$0.00	1,627	\$17.73	213,957	\$2,332.13
Winter (October through May)																
Total																
First kWh	250	900	15,000	15,000	\$0.041060	\$0.046500	\$0.010900	\$0.010900	250	\$10.27	900	\$41.85	15,000	\$163.50	15,000	\$163.50
Next kWh	0	1,100	0	0	\$0.000000	\$0.040500	\$0.000000	\$0.000000	0	\$0.00	428	\$17.33	0	\$0.00	0	\$0.00
Excess kWh					\$0.037630	\$0.013500	\$0.010900	\$0.010900	421	\$15.84	0	\$0.00	1,627	\$17.73	213,957	\$2,332.13
DEMAND																
Summer																
First kW			5	5			\$9.97	\$9.97			5.9	\$0.00	5.0	\$49.85	5.0	\$49.85
Next kW			895	895			\$9.97	\$9.97			0.0	\$0.00	45.9	\$457.62	549.7	\$5,480.51
Winter																
First kW			5	5			\$7.92	\$7.92			5.9	\$0.00	5.0	\$39.60	5.0	\$39.60
Next kW			895	895			\$7.92	\$7.92			0.0	\$0.00	45.9	\$363.53	549.7	\$4,353.62
TOTAL WINTER									\$36.39		\$71.92		\$584.36		\$6,888.86	
TOTAL SUMMER									\$40.08		\$82.81		\$688.71		\$8,025.99	
EFFECTIVE ANNUAL									\$37.62		\$75.55		\$619.14		\$7,267.90	
EFFECTIVE RATE									5.606		5.689		3.724		3.174	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Duquesne Light Company			
Customer Class	Rate	Description	Availability
Residential	RS	Residential Service	Available to residential or combined residential and farm customers using the Company's standard low voltage service for lighting, appliance operation, and general household purposes and for commercial or professional activity where associated consumption represents less than 25% of the total monthly usage at the premise. Available only when supplied at 240 volt (or less) single phase service through a single meter directly by the Company to a single family dwelling or to an individual dwelling unit in a multiple dwelling structure. For the purposes of this rate, a dwelling unit is defined as one or more rooms arranged for the use of one or more individuals for shelter, sleeping, dining, and with permanent provisions for cooking and sanitation.
Small C&I	GS/GM	General Service Small and Medium	Available for all the standard electric service taken on a small or medium general service customer's premises for which a residential rate is not available.
Medium C&I	GS/GM	General Service Small and Medium	Available for all the standard electric service taken on a small or medium general service customer's premises for which a residential rate is not available.
Large C&I	GL	General Service Large	Available of all the standard electric service taken on a customer's premises where the demand is not less than 300 kilowatts.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

PENNSYLVANIA					Distribution Rates				Bill Calculations							
Duquesne Light Company					RS	GS/GM	GS/GM	GL	RS		GS/GM		GS/GM		GL	
JULY 2004	RES	SM C&I	MED C&I	LG C&I				<900kW								
Customer Charge:					\$6.38	\$9.07	\$9.07	\$719.38	\$6.38		\$9.07		\$9.07		\$719.38	
Summer (June through September)																
Total					\$0.030212			0.004474	671	\$20.27					228,957	\$1,024.35
First kWh		550	550			\$0.026274	\$0.026274				550	\$14.45	550	\$14.45		
Next kWh		750	750			\$0.024575	\$0.024575				750	\$18.43	750	\$18.43		
Excess kWh						\$0.006637	\$0.006637				28	\$0.19	15,327	\$101.73		
Winter (October through May)																
Total					\$0.030212			\$0.004474	671	\$20.27					228,957	\$1,024.35
First kWh		550	550			\$0.026274	\$0.026274				550	\$14.45	550	\$14.45		
Next kWh		750	750			\$0.024575	\$0.024575				750	\$18.43	750	\$18.43		
Excess kWh						\$0.006637	\$0.006637				28	\$0.19	15,327	\$101.73		
DEMAND																
Summer		5	5	300		\$0.00	\$0.00	\$0.00			5.0	\$0.00	5.0	\$0.00	300.0	\$0.00
Excess kW						\$3.54	\$3.54	\$1.82			0.9	\$3.29	45.9	\$162.49	254.7	\$463.55
Winter		5	5	300		\$0.00	\$0.00	\$0.00			5.0	\$0.00	5.0	\$0.00	300.0	\$0.00
Excess kW						\$3.54	\$3.54	\$1.82			0.9	\$3.29	45.9	\$162.49	254.7	\$463.55
TOTAL WINTER										\$26.65		\$45.43		\$306.16		\$2,207.29
TOTAL SUMMER										\$26.65		\$45.43		\$306.16		\$2,207.29
EFFECTIVE ANNUAL										\$26.65		\$45.43		\$306.16		\$2,207.29
EFFECTIVE RATE										3.972		3.421		1.841		0.964

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Metropolitan Edison Company (FirstEnergy)			
Customer Class	Rate	Description	Availability
Residential	RS	Residential Service Rate	This Rate is available to Full Service and Delivery Service Residential Customers using the Company's standard, single phase service through a single meter including not more than 2,000 watts of non-residential connected load served through the same meter. All charges are applicable to Full Service Customers. All charges, excluding Generation and Transmission, are applicable to Delivery Service Customers.
Small C&I	GS	General Service Secondary Rate	Available to Full Service and Delivery Service Customers using electric service through a single delivery location for lighting, heating and/or power service. Secondary voltage shall be supplied to Customers at a single transformer location when load does not require transformer capacity in excess of 2,500 KVA. Transformers for capacity greater than 2,500 KVA, if available, may be provided, upon Customer request and at the option of the Company. New Customers requiring transformer capacity in excess of 2,500 KVA and existing Customers whose load increases such that a transformer charge is required (over 2,500 KVA) shall be required to take untransformed service. All charges, excluding Generation and Transmission, are applicable to Delivery Service Customers.
Medium C&I	GS	General Service Secondary Rate	Available to Full Service and Delivery Service Customers using electric service through a single delivery location for lighting, heating and/or power service. Secondary voltage shall be supplied to Customers at a single transformer location when load does not require transformer capacity in excess of 2,500 KVA. Transformers for capacity greater than 2,500 KVA, if available, may be provided, upon Customer request and at the option of the Company. New Customers requiring transformer capacity in excess of 2,500 KVA and existing Customers whose load increases such that a transformer charge is required (over 2,500 KVA) shall be required to take untransformed service. All charges, excluding Generation and Transmission, are applicable to Delivery Service Customers.
Large C&I	GST	General Service Secondary - Time of-Day Rate	Available to Full Service and Delivery Service Customers using electric service through a single delivery location for lighting, heating, and/or power service whose registered demand is equal to or greater than 400 kW in two (2) consecutive months. Secondary voltage shall be supplied to Customers at a single transformer location when load does not require transformer capacity in excess of 2,500 KVA. Transformers for capacity greater than 2,500 KVA, if available may be provided, upon Customer request and at the option of the Company. New Customers requiring transformer capacity in excess of 2,500 KVA and existing Customers whose load increases such that a transformer charge is required (over 2,500 KVA) shall be required to take untransformed service. All charges, excluding Generation and Transmission, are applicable to Delivery Service Customers.

Notes: Peak split = 12/24*5/7 (Holidays are not factored in as calculating peak split at finer level does not affect calculation of regional index weighted average.)

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

PENNSYLVANIA					Distribution Rates				Bill Calculations			
Metropolitan Edison Company					RS	GS	GS	GST	RS	GS	GS	GST
JULY 2004	RES	SM C&I	MED C&I	LG C&I								
Customer Charge:					\$6.67	<400hrsuse \$8.37	<400kW \$16.74	\$95.06				
Summer (June through September)												
Total					\$0.030290				671	\$20.32		
First kWh		2,000	2,000			\$0.035000	\$0.035000			1,328	\$46.48	2,000 \$70.00
Excess kWh						\$0.007200	\$0.007200			0	\$0.00	14,627 \$105.31
First hrs use		200	200			\$0.000000	\$0.000000			1,186	\$0.00	10,180 \$0.00
Excess hrs use						\$0.006600	\$0.006600			142	\$0.94	6,447 \$42.55
On-Peak				36%				\$0.003440				81,738 \$281.18
Off-Peak				64%				\$0.003440				147,219 \$506.43
Winter (October through May)												
Total					\$0.03029				671	\$20.32		
First kWh		2,000	2,000			\$0.035000	\$0.035000			1,328	\$46.48	2,000 \$70.00
Excess kWh						\$0.007200	\$0.007200			0	\$0.00	14,627 \$105.31
First hrs use		200	200			\$0.000000	\$0.000000			1,186	\$0.00	10,180 \$0.00
Excess hrs use						\$0.006600	\$0.006600			142	\$0.94	6,447 \$42.55
On-Peak				36%				\$0.003440				81,738 \$281.18
Off-Peak				64%				\$0.003440				147,219 \$506.43
DEMAND								\$4.02				555 \$2,229.89
Summer		5	5	300		\$0.00	\$0.00			5.0	\$0.00	5.0 \$0.00
Excess kW						\$4.57	\$4.57			0.9	\$4.25	45.9 \$209.76
Winter		5	5	300		\$0.00	\$0.00			5.0	\$0.00	5.0 \$0.00
Excess kW						\$4.57	\$4.57			0.9	\$4.25	45.9 \$209.76
TOTAL WINTER									\$26.99	\$60.04	\$444.37	\$3,112.57
TOTAL SUMMER									\$26.99	\$60.04	\$444.37	\$3,112.57
EFFECTIVE ANNUAL									\$26.99	\$60.04	\$444.37	\$3,112.57
EFFECTIVE RATE									4.023	4.521	2.673	1.359

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility PECO Energy			
Customer Class	Rate	Description	Availability
Residential	R	Residence Service	Single-phase service in the entire territory of the Company to the dwelling and appurtenances of a single private family (or to a multiple dwelling unit building consisting of two to five dwelling units, whether occupied or not), for the domestic requirements of its members when such a service is supplied through one meter. Service is also available for related farm purposes when such service is supplied through one meter in conjunction with the farmhouse domestic requirements. The term "residence service" includes service to : (a) the separate dwelling unit in an apartment house or condominium, but not the halls, basement, or other portions of such building common to more than one such unit; (b) the premises occupied as the living quarters of five persons or less who unite to establish a common dwelling place for their own personal comfort and convenience on a cost-sharing basis; (c) the premises owned by a church, and primarily designated or set aside for, and actually occupied and used as, the dwelling place of a priest, rabbi, pastor, rector, nun or other functioning Church Divine, and the resident associates; (d) private dwellings in which a portion of the space is used for the conduct of business by a person residing therein; (e) farm purpose uses by an individual employing the natural processes of growth for the production of grain, stock, dairy, poultry, garden truck, or other agricultural products.
Small C&I	GS	General Service	Service through a single metering installation for offices, professional, commercial or industrial establishments, governmental agencies, and other applications outside the scope of the Residence Service rate schedules.
Medium C&I	GS	General Service	Service through a single metering installation for offices, professional, commercial or industrial establishments, governmental agencies, and other applications outside the scope of the Residence Service rate schedules.
Large C&I	GS	General Service	Service through a single metering installation for offices, professional, commercial or industrial establishments, governmental agencies, and other applications outside the scope of the Residence Service rate schedules.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

PENNSYLVANIA					Distribution Rates				Bill Calculations					
PECO Energy					R	GS	GS	GS	R	GS	GS	GS	GS	GS
JULY 2004	RES	SM C&I	MED C&I	LG C&I										
Customer Charge:					\$5.18	\$8.81	\$8.81	\$23.82	\$5.18	\$8.81	\$8.81	\$23.82	\$23.82	
Summer (June through September)														
Total														
First kWh	500				\$0.044300				500	\$22.15				
Excess kWh					\$0.051400				171	\$8.79				
First hrs use		80	80	80		\$0.034400	\$0.034400	\$0.034400		474	\$16.32	4,072	\$140.08	44,376 \$1,526.53
Next hrs use		80	80	80		\$0.016200	\$0.016200	\$0.016200		474	\$7.69	4,072	\$65.97	44,376 \$718.89
Excess hrs use				0		\$0.010300	\$0.010300	\$0.010300		379	\$3.91	8,483	\$87.37	133,128 \$1,371.22
Over X hu + Y				400		\$0.004600	\$0.004600	\$0.004600			\$0.00		\$0.00	7,077 \$32.55
Winter (October through May)														
Total					\$0.044300				671	\$29.73				
First hrs use		80	80	80		\$0.034400	\$0.034400	\$0.034400		474	\$16.32	4,072	\$140.08	44,376 \$1,526.53
Next hrs use										0	\$0.00	0	\$0.00	0 \$0.00
Excess hrs use				0		\$0.010300	\$0.010300	\$0.010300		854	\$8.79	12,555	\$129.32	177,504 \$1,828.29
Over X hu + Y				400		\$0.004600	\$0.004600	\$0.004600			\$0.00		\$0.00	7,077 \$32.55
DEMAND Total kW						\$0.88	\$0.88	\$0.88		5.9	\$5.22	50.9	\$44.79	554.7 \$488.14
TOTAL WINTER									\$34.91	\$39.14	\$323.00		\$3,899.34	
TOTAL SUMMER									\$36.12	\$41.94	\$347.02		\$4,161.15	
EFFECTIVE ANNUAL									\$35.31	\$40.07	\$331.00		\$3,986.61	
EFFECTIVE RATE									5.262	3.018	1.991		1.741	

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility Pennsylvania Electric Company (FirstEnergy)			
Customer Class	Rate	Description	Availability
Residential	RS	Residential Service Rate	This Rate is available to Full Service and Delivery Service Residential Customers using the Company's standard, single phase service through a single meter including not more than 2,000 watts of non-residential connected load served through the same meter. All charges are applicable to Full Service Customers. All charges, excluding Generation and Transmission, are applicable to Delivery Service Customers.
Small C&I	GS	General Service Secondary Rate	Available to Full Service and Delivery Service Customers using electric service through a single delivery location for lighting, heating and/or power service. Secondary voltage shall be supplied to Customers at a single transformer location when load does not require transformer capacity in excess of 2,500 KVA. Transformers for capacity greater than 2,500 KVA, if available, may be provided, upon Customer request and at the option of the Company. New Customers requiring transformer capacity in excess of 2,500 KVA and existing Customers whose load increases such that a transformer charge is required (over 2,500 KVA) shall be required to take untransformed service. All charges, excluding Generation and Transmission, are applicable to Delivery Service Customers.
Medium C&I	GS	General Service Secondary Rate	Available to Full Service and Delivery Service Customers using electric service through a single delivery location for lighting, heating and/or power service. Secondary voltage shall be supplied to Customers at a single transformer location when load does not require transformer capacity in excess of 2,500 KVA. Transformers for capacity greater than 2,500 KVA, if available, may be provided, upon Customer request and at the option of the Company. New Customers requiring transformer capacity in excess of 2,500 KVA and existing Customers whose load increases such that a transformer charge is required (over 2,500 KVA) shall be required to take untransformed service. All charges, excluding Generation and Transmission, are applicable to Delivery Service Customers.
Large C&I	GST	General Service Secondary - Time of-Day Rate	Available to Full Service and Delivery Service Customers using electric service through a single delivery location for lighting, heating, and/or power service whose registered demand is equal to or greater than 400 kW in two (2) consecutive months. Secondary voltage shall be supplied to Customers at a single transformer location when load does not require transformer capacity in excess of 2,500 KVA. Transformers for capacity greater than 2,500 KVA, if available may be provided, upon Customer request and at the option of the Company. New Customers requiring transformer capacity in excess of 2,500 KVA and existing Customers whose load increases such that a transformer charge is required (over 2,500 KVA) shall be required to take untransformed service. All charges, excluding Generation and Transmission, are applicable to Delivery Service Customers.
Notes:	Peak split = 12/24*5/7 (Holidays are not factored in as calculating peak split at finer level does not affect calculation of regional index weighted average.) kVAR=0 (PF=100%), Medium C&I < 400 hrs use		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

PENNSYLVANIA					Distribution Rates				Bill Calculations							
Pennsylvania Electric Company					RS	GS	GS	GST	RS		GS		GS		GST	
JULY 2004	RES	SM C&I	MED C&I	LG C&I			<400hrsuse									
Customer Charge:					\$6.81	\$8.42	\$16.56	\$60.98	\$6.81	\$8.42		\$16.56		\$60.98		
Summer (June through September)																
Total					\$0.02973				671	\$19.95						
First kWh		2,000	2,000			\$0.03050	\$0.03050				1,328	\$40.50	2,000	\$61.00		
Next kWh		1,186	8,180			\$0.01780	\$0.01780				0	\$0.00	8,180	\$145.60		
Excess kWh						\$0.01100	\$0.01100				0	\$0.00	6,447	\$70.92		
On-Peak				36%				\$0.00026					0	\$0.00	81,738	\$21.25
Off-Peak				64%				\$0.00006					0	\$0.00	147,219	\$8.83
Winter (October through May)																
Total					\$0.02973				671	\$19.95						
First kWh		2,000	2,000			\$0.03050	\$0.03050				1,328	\$40.50	2,000	\$61.00		
Next kWh		1,186	8,180			\$0.01780	\$0.01780				0	\$0.00	8,180	\$145.60		
Excess kWh						\$0.01100	\$0.01100				0	\$0.00	6,447	\$70.92		
On-Peak				36%				\$0.00026					0	\$0.00	81,738	\$21.25
Off-Peak				64%				\$0.00006					0	\$0.00	147,219	\$8.83
DEMAND								\$5.44							555	\$3,017.57
Total kW															555	\$173.07
Total kVAR	PF =	100%	100%	100%		\$0.312	\$0.312	\$0.312			5.9	\$1.85	50.9	\$15.88		
Summer		5	5	300		\$0.00	\$0.00				5.0	\$0.00	5.0	\$0.00		
First kW						\$1.89	\$1.89				0.9	\$1.76	45.9	\$86.75		
Excess kW						\$0.00	\$0.00				5.0	\$0.00	5.0	\$0.00		
Winter		5	5	300		\$1.89	\$1.89				0.9	\$1.76	45.9	\$86.75		
First kW																
Excess kW																
TOTAL WINTER									\$26.76	\$52.53		\$396.71		\$3,281.70		
TOTAL SUMMER									\$26.76	\$52.53		\$396.71		\$3,281.70		
EFFECTIVE ANNUAL									\$26.76	\$52.53		\$396.71		\$3,281.70		
EFFECTIVE RATE									3.988	3.956		2.386		1.433		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility	Pennsylvania Power Company (FirstEnergy)		
Customer Class	Rate	Description	Availability
Residential	RS	Residential Service	Available for residential service, to installations served through one meter for each family unit in a residence or apartment. When service is used through the same meter for both residential and commercial purposes the General Service rate shall apply. This rate schedule is not available for commercial, institutional or industrial establishments.
Small C&I	GS	General Service - Small	Available for service through a single metering installation for secondary light and power service for loads up to but not including 50 kW.
Medium C&I	GM	General Service - Medium	Available for secondary light and power service for loads of 50 kVA or greater. The billing load as hereinafter defined shall not be less than 50 kVA.
Large C&I	GM	General Service - Medium	Available for secondary light and power service for loads of 50 kVA or greater. The billing load as hereinafter defined shall not be less than 50 kVA.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

PENNSYLVANIA					Distribution Rates				Bill Calculations							
PennPower					RS	GS	GM	GM	RS	GS	GM	GM				
JULY 2004	RES	SM C&I	MED C&I	LG C&I		<50kW										
Customer Charge:					\$8.89	\$14.44			\$8.89	\$14.44						
Summer (June through September)																
Total					\$0.02267				671	\$15.21						
Winter (October through May)																
Total					\$0.02267				671	\$15.21						
DEMAND	Total kW						\$2.77	\$2.77					50.9	\$141.20	554.7	\$1,538.74
Summer	First kW	3				\$0.00				3.0	\$0.00					
	Excess kW					\$4.36				2.9	\$12.78					
Winter	First kW	3				\$0.00				3.0	\$0.00					
	Excess kW					\$4.36				2.9	\$12.78					
TOTAL WINTER									\$24.10	\$27.22	\$141.20					\$1,538.74
TOTAL SUMMER									\$24.10	\$27.22	\$141.20					\$1,538.74
EFFECTIVE ANNUAL									\$24.10	\$27.22	\$141.20					\$1,538.74
EFFECTIVE RATE									3.592	2.050	0.849					0.672

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
Pennsylvania Power & Light Company			
Customer Class	Rate	Description	Availability
Residential	RS	Residential Service	The Rate Schedule is for single phase residential service in accordance with the Applications Provisions hereof.
Small C&I	GS-1	Small General Service at Secondary Voltage or Higher	This Rate Schedule is for small general service at secondary voltage or at a higher available voltage at thee option of the customer.
Medium C&I	GS-1	Small General Service at Secondary Voltage or Higher	This Rate Schedule is for small general service at secondary voltage or at a higher available voltage at thee option of the customer.
Large C&I	GS-3	Large General Service at Secondary Voltage or Higher	This Rate Schedule is for large general service at secondary voltage, or at a higher available voltage at the option of the customer. Where necessary, the Company furnishes and maintains one transformation from line voltage to a lower Company standard service voltage. However, service from a 69,000 volt lir or higher is supplied at not less than 2,300 volts.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

PENNSYLVANIA					Distribution Rates				Bill Calculations							
Pennsylvania Power & Light					RS	GS-1	GS-1	GS-3	RS	GS-1	GS-1	GS-3	RS	GS-1	GS-1	GS-3
JULY 2004	RES	SM C&I	MED C&I	LG C&I												
Customer Charge:					\$6.47	\$7.48	\$7.48	\$0.00	\$6.47	\$7.48	\$7.48	\$0.00	\$6.47	\$7.48	\$7.48	\$0.00
Summer (June through September)																
First kWh	200				\$0.01796				200	\$3.59						
Next kWh	600				\$0.01594				471	\$7.51						
Excess kWh					\$0.01472											
First hrs use		150	150	200		\$0.01913	\$0.01913	\$0.01510		890	\$17.02	7,635	\$146.06	110,940	\$1,675.19	
Next hrs use		0	0	200				\$0.01190		0	\$0.00	0	\$0.00	110,940	\$1,320.19	
Excess hrs use						\$0.01437	\$0.01437	\$0.01140		439	\$6.30	8,992	\$129.22	7,077	\$80.68	
Winter (October through May)																
First kWh	200				\$0.01796				200	\$3.59						
Next kWh	600				\$0.01594				471	\$7.51						
Excess kWh					\$0.01472											
First hrs use		150	150	200		\$0.01913	\$0.01913	\$0.01510		890	\$17.02	7,635	\$146.06	110,940	\$1,675.19	
Next hrs use		0	0	200				\$0.01190		0	\$0.00	0	\$0.00	110,940	\$1,320.19	
Excess hrs use						\$0.01437	\$0.01437	\$0.01140		439	\$6.30	8,992	\$129.22	7,077	\$80.68	
DEMAND																
First kW		5	5	5		\$0.00	\$0.00	\$2.84		5.0	\$0.00	5.0	\$0.00	5.0	\$14.20	
Excess kW						\$1.86	\$1.86	\$2.84		0.9	\$1.73	45.9	\$85.37	549.7	\$1,561.15	
TOTAL WINTER									\$17.57	\$32.53	\$368.13	\$4,651.41				
TOTAL SUMMER									\$17.57	\$32.53	\$368.13	\$4,651.41				
EFFECTIVE ANNUAL									\$17.57	\$32.53	\$368.13	\$4,651.41				
EFFECTIVE RATE									2.618	2.449	2.214	2.032				

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility		UGI Utilities, Inc.	
Customer Class	Rate	Description	Availability
Residential	R	Residential Service	Available to Customers located on the Company's distribution lines and desiring service for household and non-residential uses (where the non-residential use(s) is limited to less than 2 kW) in a single private dwelling, or an individual dwelling in a multiple dwelling structure, and its appurtenant detached buildings.
Small C&I	GS-4	General Service (5 kW minimum)	Available to Customers located on Company's distribution lines desiring electric service for general lighting and/or power service whose minimum billing demand is not less than five (5) kilowatts.
Medium C&I	GS-4	General Service (5 kW minimum)	Available to Customers located on Company's distribution lines desiring electric service for general lighting and/or power service whose minimum billing demand is not less than five (5) kilowatts.
Large C&I	LP	Large Power Service	Available to Customers taking general light and power service at each delivery point and whose minimum demand is not less than one hundred (100) kilowatts.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

PENNSYLVANIA					Distribution Rates				Bill Calculations							
UGI					R	GS-4	GS-4	LP	R		GS-4		GS-4		LP	
JULY 2004	RES	SM C&I	MED C&I	LG C&I		>5 kW										
Customer Charge:					\$5.50			\$135.80	\$5.50						\$135.80	
Summer (June through September)																
First kWh	500	2,000	2,000	2,000	\$0.03165				500	\$15.83						
Next kWh	500	0	0	0	\$0.02684				171	\$4.59						
Excess kWh					\$0.01971				0	\$0.00						
First hrs use		200	200	100		\$0.03033	\$0.03033	\$0.01696		1,186	\$35.97	10,180	\$308.76	55,470	\$940.77	
Next hrs use		300	300	200		\$0.02303	\$0.02303	\$0.01518		142	\$3.27	6,447	\$148.47	110,940	\$1,684.07	
Excess hrs use						\$0.02031	\$0.02031	\$0.01383		0	\$0.00	0	\$0.00	62,547	\$865.03	
Winter (October through May)																
First kWh	500	2,000	2,000	2,000	\$0.03165				500	\$15.83						
Next kWh	500	0	0	0	\$0.02684				171	\$4.59						
Excess kWh					\$0.01971				0	\$0.00						
First hrs use		200	200	100		\$0.03033	\$0.03033	\$0.01696		1,186	\$35.97	10,180	\$308.76	55,470	\$940.77	
Next hrs use		300	300	200		\$0.02303	\$0.02303	\$0.01518		142	\$3.27	6,447	\$148.47	110,940	\$1,684.07	
Excess hrs use						\$0.02031	\$0.02031	\$0.01383		0	\$0.00	0	\$0.00	62,547	\$865.03	
DEMAND																
Summer		20	20	100		\$3.59	\$3.59	\$0.00		5.9	\$21.29	20.0	\$71.80	100.0	\$0.00	
Next kW		0	0	400				\$0.94		0.0	\$0.00	0.0	\$0.00	400.0	\$376.00	
Excess kW						\$1.30	\$1.30	\$0.69		0.0	\$0.00	30.9	\$40.17	54.7	\$37.74	
Winter		20	20	100		\$3.59	\$3.59	\$0.00		5.9	\$21.29	20.0	\$71.80	100.0	\$0.00	
Next kW		0	0	400				\$0.94		0.0	\$0.00	0.0	\$0.00	400.0	\$376.00	
Excess kW						\$1.30	\$1.30	\$0.69		0.0	\$0.00	30.9	\$40.17	54.7	\$37.74	
TOTAL WINTER									\$25.91	\$60.53	\$569.20	\$4,039.41				
TOTAL SUMMER									\$25.91	\$60.53	\$569.20	\$4,039.41				
EFFECTIVE ANNUAL									\$25.91	\$60.53	\$569.20	\$4,039.41				
EFFECTIVE RATE									3.862	4.558	3.423	1.764				

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Utility			
West Penn Power Company (Allegheny Power)			
Customer Class	Rate	Description	Availability
Residential	10	Domestic Service	Available for single-phase service to a single-family residence served through one meter.
Small C&I	20	General Service	Available for any purpose not included with the Availability of Schedule 10, Domestic Service, if all service at an establishment is supplied under this Schedule. Service shall not be available for Standby or Maintenance Service such as that required for Alternative Generation Facilities.
Medium C&I	20	General Service	Available for any purpose not included with the Availability of Schedule 10, Domestic Service, if all service at an establishment is supplied under this Schedule. Service shall not be available for Standby or Maintenance Service such as that required for Alternative Generation Facilities.
Large C&I	30	General Power Service	Available for any purpose for loads totaling over 100 kilowatts at an establishment when all service at the establishment is served under this Schedule. Connections made before October 14, 1966, shall be for loads greater than 50 kilowatts. Loads over 1,500 kilowatts connected after August 28, 1985, will be served at voltages greater than 1,000 volts. Service shall not be available for Standby or Maintenance Service such as that required for Alternative Generation Facilities. An Electric Service Agreement shall be executed.
Notes:	Straightforward mapping of rates.		

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

PENNSYLVANIA					Distribution Rates				Bill Calculations							
WestPenn					10	20	20	30	10		20		20		30	
JULY 2004	RES	SM C&I	MED C&I	LG C&I				>100kW								
Customer Charge:					\$5.00					\$5.00						
Summer (June through September)									671	\$12.57						
Total					\$0.01874											
First kWh		356	3,054	40,000		\$0.03113	\$0.03113	\$0.00704			356	\$11.08	3,054	\$95.07	40,000	\$281.60
Next kWh		700	700			\$0.01470	\$0.01470				700	\$10.29	700	\$10.29		
Next kWh		7,500	7,500			\$0.01332	\$0.01332				272	\$3.63	7,500	\$99.90		
Excess kWh						\$0.01300	\$0.01300	\$0.00630			0	\$0.00	5,373	\$69.85	188,957	\$1,190.43
Winter (October through May)									671	\$12.57						
Total					\$0.01874											
First kWh		356	3,054	40,000		\$0.03113	\$0.03113	\$0.00704			356	\$11.08	3,054	\$95.07	40,000	\$281.60
Next kWh		700	700			\$0.01470	\$0.01470				700	\$10.29	700	\$10.29		
Next kWh		7,500	7,500			\$0.01332	\$0.01332				272	\$3.63	7,500	\$99.90		
Excess kWh						\$0.01300	\$0.01300	\$0.00630			0	\$0.00	5,373	\$69.85	188,957	\$1,190.43
DEMAND											5.9	\$7.89	50.9	\$67.70		
Summer				100		\$1.33	\$1.33								100	\$98.00
Excess kW								\$0.98							455	\$372.85
Winter				100				\$0.98							100	\$98.00
Excess kW								\$0.82							455	\$372.85
TOTAL WINTER										\$17.57		\$32.88		\$342.81		\$1,942.88
TOTAL SUMMER										\$17.57		\$32.88		\$342.81		\$1,942.88
EFFECTIVE ANNUAL										\$17.57		\$32.88		\$342.81		\$1,942.88
EFFECTIVE RATE										2.619		2.476		2.062		0.849

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

Documentation of rate classes used in calculating of Rates Used in Regional Index

Massachusetts Electric Company			
Utility	Rate	Description	Availability
Customer Class			
Residential	R1	Residential Regular	Electric delivery service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment and for church and farm purposes. The Company may under unusual circumstances permit more than one set of living quarters to be served through one meter under this rate, but if so, the Customer Charge shall be multiplied by the number of separate living quarters so served. A church and adjacent buildings owned and operated by the church may be served under this rate, but any such buildings separated by public ways must be billed separately. Customers whose average monthly usage for the previous 12 months exceeds 2500 kWh per month may elect delivery service on rate R4, subject to the availability of the appropriate metering equipment.
Small C&I	G1	General Service - Small Commercial & Industrial	Electric delivery service under this rate is available for all purposes, subject to the provisions of this section. A new Customer will begin service on this rate if the Company estimates that its average use will not exceed 10,000 kWh/month or 200 kW of demand. A Customer may be transferred from rate G1 at its request or at the option of the Company if the Customer's 12 month average monthly usage exceeds either 10,000 kWh/month or 200 kW of demand for 3 consecutive months. A Municipality which owns and maintains streetlight fixtures served by underground conduit may take delivery service under the unmetered service provision of this rate if the Municipality signs an Underground Electric Service for Non-Conforming Streetlighting Contract with the Company for underground electric delivery service for streetlighting.
Medium C&I	G2	General Service - Demand	Electric delivery service under this rate is available for all purposes, subject to the provisions of this section. A new customer will begin delivery on this rate if the Company estimates that its average use will exceed 10,000 kWh/month, but not exceed 200 kW of Demand. In addition, from May 1, 2000 through February 28, 2005, this rate shall be available to customers taking service under the former Eastern Edison Company General Service Rate G-2 as of December 31, 1999 that otherwise would qualify to take service only under the Company's Small Commercial and Industrial Rate G-1, in accordance with the Company's Individual Customer Protection Provision, M.D.T.E. No. 1030. A Customer may be transferred from rate G 2 at its request if the customer's 12 month average monthly usage either (a) is less than 8,000 kWh/month or (b) exceeds 200 kW of Demand for 3 consecutive months. A Customer may be transferred at the option of the Company if the Customer's 12 month average usage either (a) is less than 8,000 kWh/month or (b) exceeds 200 kW of Demand for 3 consecutive months.
Large C&I	G3	Time-of-Use	Electric delivery service under this rate is available for all purposes, subject to the provisions of this section. A new Customer will begin delivery service on this rate if the Company estimates that its average use will exceed 200 kW of Demand. A Customer may be transferred from rate G3 at its request if the customer's 12 month average monthly demand is less than 180 kW of Demand for 3 consecutive months. A Customer may be transferred from rate G-3 at the option of the Company if the Customer's 12 month average monthly demand is less than 180 kW of Demand for 3 consecutive months. The actual delivery of service and the rendering of bills under this rate is contingent upon the installation of the necessary timeof-use metering equipment by the Company; subject to both the availability of such meters from the Company's supplier and the conversion or installation procedures established by the Company. All Customers served on this rate must elect to take their total electric delivery service under the timeof-use metering installation as approved by the Company. If delivery is through one meter, except at the Company's option, the Monthly Charge for service through each meter shall be computed separately under this rate.

Notes:

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index

	Residential	Small C&I	Medium C&I	Large C&I
<u>2003 Average Usage</u>				
Billing Demand (kW)	0.0	5.9	50.9	554.7
Total kWh	671	1,328	16,627	228,957
Hrs. Use		224	327	413

NEW ENGLAND					Distribution Rates				Bill Calculations							
Massachusetts Electric					R1	G1	G2	G3	R1		G1		G2		G3	
JULY 2004	RES	SM C&I	MED C&I	LG C&I												
Customer Charge:					\$5.81	\$8.32	\$15.23	\$67.27	\$5.81		\$8.32		\$15.23		\$67.27	
Summer (June through September)																
Total					\$0.02502	\$0.03843	\$0.00138		671	\$16.79	1,328	\$51.04	16,627	\$22.95	105,320	\$1,245.94
On-Peak				46%				\$0.01183							123,637	\$0.00
Off-Peak				54%				\$0.00000								
Winter (October through May)																
Total					\$0.02502	\$0.03843	\$0.00138		671	\$16.79	1,328	\$51.04	16,627	\$22.95	105,320	\$1,245.94
On-Peak				46%				\$0.01183							123,637	\$0.00
Off-Peak				54%				\$0.00000								
DEMAND	Total kW						\$5.92	\$3.63					50.9	\$301.33	554.7	\$2,013.56
TOTAL WINTER									\$22.60		\$59.36		\$339.51		\$3,326.77	
TOTAL SUMMER									\$22.60		\$59.36		\$339.51		\$3,326.77	
EFFECTIVE ANNUAL									\$22.60		\$59.36		\$339.51		\$3,326.77	
EFFECTIVE RATE									3.368		4.470		2.042		1.453	

Attachment 4

Mass. Electric Customer Billing Determinants

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to Regional Index
Customer Data for Calendar Year 2003

<u>Rate Class</u>	Total Billed <u>kWh</u> (1)	Total Billed <u>kW</u> (2)	Number of <u>Bills</u> (3)	Average Monthly <u>kWh</u> (4)	Average Monthly Demand <u>kW</u> (5)
R-1	8,014,547,022		11,936,017	671	
G-1	2,013,571,366		1,516,674	1,328	5.9
G-2	3,031,133,446	9,271,527.8	182,298	16,627	50.9
G-3	8,084,935,864	19,588,727.8	35,312	228,957	554.7

- (1) Monthly SMB 073 Revenue Reports for Calendar Year 2003
 - (2) Monthly SMB 702 Revenue Reports for Calendar Year 2003
 - (3) Monthly SMB 073 Revenue Reports for Calendar Year 2003
 - (4) Column (1) ÷ Column (3)
 - (5) Column (2) ÷ Column (3)
- Rate Class G-1 based on 12 month average from Load Research Data

Attachment 5

Revisions/Corrections to the Initial Calibration Presented in DTE 05-2, DTE 1-1

Massachusetts Electric Company
Nantucket Electric Company
Initial Calibration of Mass. Electric's Distribution Rates to the Regional Index

Revisions/Corrections to the Initial Calibration Presented in DTE 05-2, DTE 1-1

1. Pursuant to Principle 9 on Attachment 2, Mass. Electric is to be excluded from the calculation of the Regional Index. However upon review, the Company noticed that it had included Mass. Electric's weighted average rate in the Regional Index. The Company has removed Mass. Electric's weighted average rate from the determination of the Regional Index rate. This correction results in an increase in the Regional Index of 0.027¢ per kWh.
2. Subsequent to submitting the response to DTE 1-1, the Company determined that Maine Public Service Company's (MPS) has unbundled rates. Consequently, MPS has been added to the Regional Index. Because of the relatively small size of MPS' deliveries, the addition of MPS results in a decrease to the Regional Index of (0.001)¢ per kWh.
3. Subsequent to submitting the response to DTE 1-1, the Company determined that it had not incorporated Consolidated Edison's (Con Ed) winter rates in the calculation of Con Ed's average rate. Incorporating Con Ed's winter rates results in a decrease to the Regional Index of (0.048)¢ per kWh.
4. Subsequent to submitting the response to DTE 1-1, the Company has made formulaic corrections for Metropolitan Edison's small C&I rate calculation, Pennsylvania Electric Company's small C&I rate calculation, and all of PECO Energy's C&I rate calculations, which resulted in a decrease of (0.001)¢ per kWh, an increase of 0.001 ¢ per kWh and a decrease of (0.012)¢ per kWh, respectively, to the Regional Index.